

ELISA 产品手册

为生命尽责 · 为科学服务

CARE LIFE, SERVE SCIENCE

使命

专注高端产品制造，服务全球生命科学

愿景

成为国际知名、国内一流的生物产业领先企业

价值观

以质量品质为上，精准满足客户需求，以团队协作为荣，坚持创新发展

建诺为生物技术（江苏）有限公司 ABOUT US

建诺为生物技术（江苏）有限公司，是一家为生命科学领域提供工艺、实验室研发解决方案的高科技集团化企业，是专业从事中高端生命科学、医用耗材、生物试剂等产品的研发、生产及销售的高新技术企业，2020年创立自有品牌GENEVER。先后通过ISO13485，ISO9001质量管理体系认证，并获得国家“高新技术企业”认定。目前，GENEVER产品线已涵盖分子生物学与细胞生物学、免疫细胞治疗、常规临床检验、药物筛选、基因组学与蛋白质组学等研究和应用领域。

在江苏设有主要的生产基地，具有专业的产品研发团队和符合GMP要求的十万级无尘净化车间。精选优质进口原料，在GMP式流程管理下生产制造，从原料至成品进行逐批质量检测，专注生产高品质产品。建诺为产品种类丰富，主要包括细胞培养系列、液体处理、液体过滤、血清培养基包装瓶、细胞冻存、储液容器、离心管、深孔板、PCR系列等，以及细胞生物学和分子生物学等生命科学试剂。产品远销全球多个国家和地区，赢得国际市场的关注和青睐。

建诺为始终以“**建**设创新、**一诺**千金、有所**为**”为宗旨，力求不断创新，提升产品技术含量，为生物制药企业、细胞治疗企业、大学和科研院所、第三方检验检测机构、政府职能机构等单位提供一流的产品和服务。



产品目录

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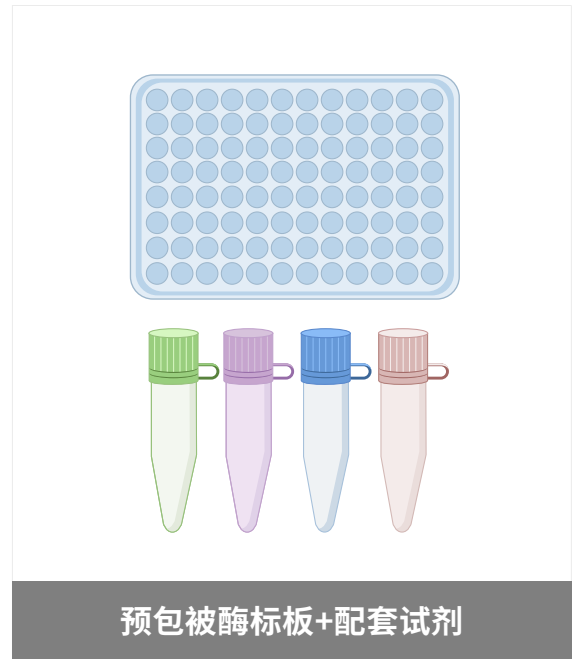
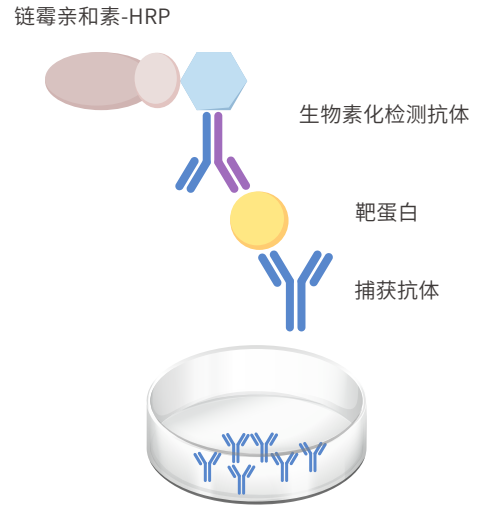
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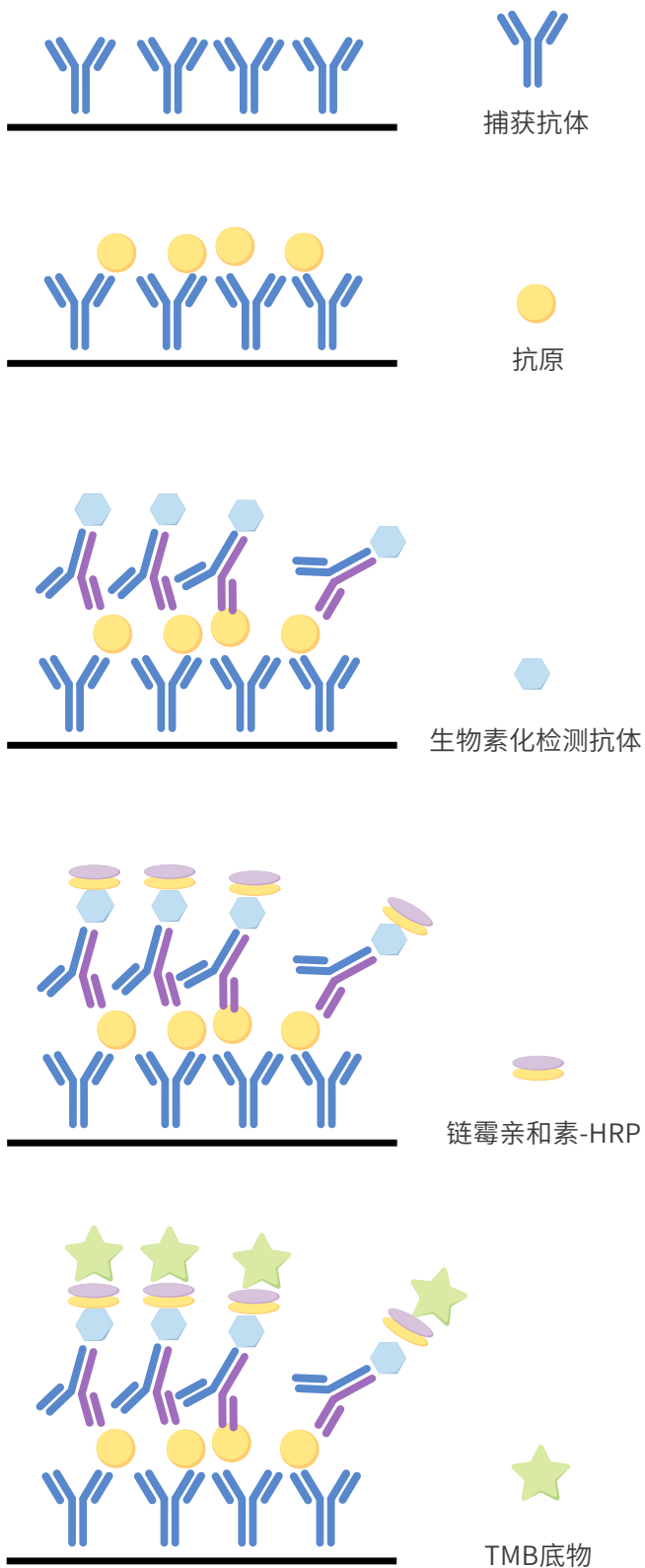
ELISA 简介

酶联免疫吸附测定（Enzyme-Linked Immunosorbent Assay, ELISA）是免疫学和分子生物学中广泛使用的实验室技术。该测定依赖于抗原-抗体相互作用的原理，并利用酶和比色检测来量化目标分子，主要用于检测和量化生物样品中特定蛋白质、肽、抗体或抗原的存在。建诺为生物生产的试剂盒采用夹心法酶联免疫分析技术，相比于直接或间接法ELISA，特异性、灵活性和灵敏度更高，适用于复杂样本。ELISA测定通常应用广泛，主要包括以下研究领域：

- 生物学研究
- 生物制品质量控制
- 食品安全检测
- 畜牧养殖



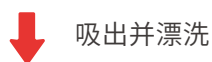
夹心法 ELISA 流程示意图



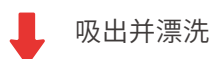
酶标板上预包被了特异性的捕获抗体。



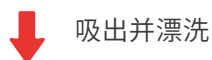
加入样品或标准品，室温孵育；样本或标准品中的抗原与捕获抗体结合。



加入生物素化检测抗体，室温孵育；该抗体与捕获的抗原结合。



加入链霉亲和素-HRP，室温孵育。



加入TMB底物，室温孵育，经过HRP催化形成蓝色产物，产物OD值与样本或标准品中存在的抗原的量成比例；通过加入酸终止反应，并在450nm处测量OD值。

即用型 ELISA 试剂盒

建诺为 ELISA 试剂盒可特异性定量检测蛋白质，包括细胞因子、趋化因子、生长因子和信号靶点等，参考表 1 内容。我们的 ELISA 试剂盒包含一个预包被 96 孔板以及所有必需的试剂（共有 48 或 96 两种规格）。此外，说明书中还提供易于操作的详细实验方案以及针对该试剂盒性能的介绍。只需加入样品，进行分析，即可在半天内获得定量结果。（试剂盒组分见表 2）

产品优势

- 易用：包含实验所有缓冲液及试剂，无需额外准备；
- 稳定：每种试剂盒经过数十次批内与批间验证，变异系数较低；
- 适用范围广：建诺为生产的 ELISA 试剂盒，包括多种靶点、多个种属，适合多种类型生物样本；具体见表 1：

表 1

靶点	种属	样本类型
细胞因子	人	血清
趋化因子	小鼠	血浆
信号蛋白	大鼠	细胞培养上清
受体	猴	细胞裂解物
生长因子	牛	组织匀浆液
疾病标志物	猪	尿液
		唾液

表 2：试剂盒组分

名称	48 tests	96 tests
预包被酶标板	8×6	8×12
冻干标准品	1 支	2 支
生物素化检测抗体	1 支	1 支
链霉亲和素-HRP	1 支	1 支
标准品&样本稀释液*	1 瓶	1 瓶
生物素化检测抗体稀释液*	1 瓶	1 瓶
链霉亲和素-HRP 稀释液*	1 瓶	1 瓶
清洗缓冲液	1 瓶	1 瓶
TMB 底物	1 瓶	1 瓶
终止液	1 瓶	1 瓶
封板膜	3 张	6 张

*见具体产品说明书

即用型 ELISA 试剂盒质量和性能验证

建诺为 ELISA 试剂盒符合行业标准规范，包括标准品校准、精度、灵敏度、特异性、回收率、批次间一致性、线性度和平行度(表3-4，图1-5)。我们的试剂盒已通过各种样本类型进行验证，如血清、血浆、细胞培养上清液和细胞裂解物。ELISA 试剂盒的生产工厂经过 ISO 13485 认证，采取严格的质量控制，有助于确保极佳的品质和可重复性。

标准曲线

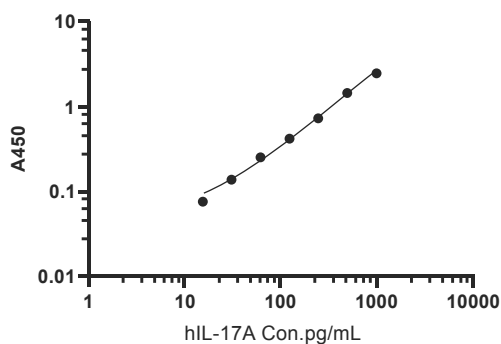


图 1: Human IL-17A 标准曲线

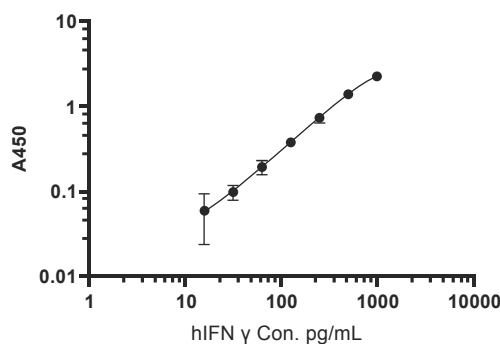
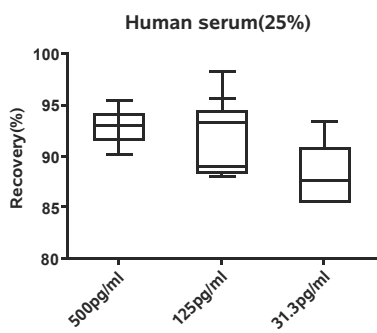


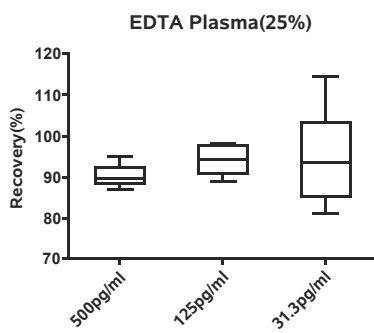
图 2: Human IFN-γ标准曲线

回收率测试

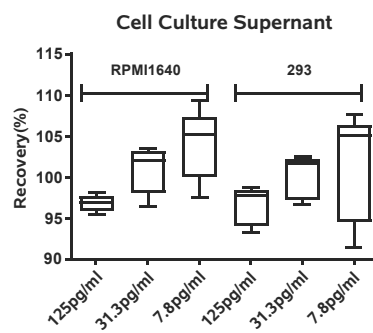
以 Human IFN-γ ELISA 为例



通过将3个已知浓度的人IFN-γ加入到5个人血清样本中评估回收率，平均回收率为88.1~93.0% (图3)



通过将3个已知浓度的人IFN-γ加入到5个EDTA抗凝的人血浆样本中评估回收率，平均回收率为90.3~94.4% (图4)



通过将3个已知浓度的人IFN-γ加入到经过RPMI-1640 (含10%FBS) 或293细胞无血清培养基培养的细胞培养上清样本中评估回收率，平均回收率为96.5~103.9% (图5)

试剂盒批内与批间分析

表 3: Human IFN-γ试剂盒批内与批间分析

样品编号	批内分析			批间分析		
	No.1	No.2	No.3	No.1	No.2	No.3
测定次数	20	20	20	20	20	20
浓度均值(pg/ml)	484	243	117	473	243	113
C.V(%)	3.20	2.80	6.40	5.40	6.40	9.60

表 4: Human IL-17A 试剂盒批内与批间分析

样品编号	批内分析			批间分析		
	No.1	No.2	No.3	No.1	No.2	No.3
测定次数	20	20	20	20	20	20
浓度均值(pg/ml)	472	261	129	459	257	118
C.V(%)	5.60	4.40	3.20	8.20	2.80	5.60

即用型 ELISA 试剂盒产品目录

Human ELISA

货号	名称	灵敏度	检测范围
GNEH011-48T	Human IL-1 α ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH011-96T	Human IL-1 α ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH012S-48T	Human IL-1 β ELISA Kit	1.1 pg/ml	2.3~150 pg/ml
GNEH012S-96T	Human IL-1 β ELISA Kit	1.1 pg/ml	2.3~150 pg/ml
GNEH013-48T	Human IL-1RA ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEH013-96T	Human IL-1RA ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEH014S-48T	Human IL-2 ELISA Kit	1.9 pg/ml	7.8~500 pg/ml
GNEH014S-96T	Human IL-2 ELISA Kit	1.9 pg/ml	7.8~500 pg/ml
GNEH015-48T	Human IL-2sR α ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH015-96T	Human IL-2sR α ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH016-48T	Human IL-3 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH016-96T	Human IL-3 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH017S-48T	Human IL-4 ELISA Kit	1.1 pg/ml	2.3~150 pg/ml
GNEH017S-96T	Human IL-4 ELISA Kit	1.1 pg/ml	2.3~150 pg/ml
GNEH018S-48T	Human IL-5 ELISA Kit	2.7 pg/ml	7.8~500 pg/ml
GNEH018S-96T	Human IL-5 ELISA Kit	2.7 pg/ml	7.8~500 pg/ml
GNEH019S-48T	Human IL-6 ELISA Kit	0.98 pg/ml	3.9~250 pg/ml
GNEH019S-96T	Human IL-6 ELISA Kit	0.98 pg/ml	3.9~250 pg/ml
GNEH020-48T	Human IL-6R α ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH020-96T	Human IL-6R α ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH021-48T	Human IL-7 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH021-96T	Human IL-7 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH022S-48T	Human IL-8 ELISA Kit	8.6 pg/ml	31.25~2000 pg/ml
GNEH022S-96T	Human IL-8 ELISA Kit	8.6 pg/ml	31.25~2000 pg/ml
GNEH023-48T	Human IL-9 ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEH023-96T	Human IL-9 ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEH024S-48T	Human IL-10 ELISA Kit	1.5 pg/ml	3.1~200 pg/ml
GNEH024S-96T	Human IL-10 ELISA Kit	1.5 pg/ml	3.1~200 pg/ml
GNEH025-48T	Human IL-11 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH025-96T	Human IL-11 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH026-48T	Human IL-12/23p40 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH026-96T	Human IL-12/23p40 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH027S-48T	Human IL-12p70 ELISA Kit	11.7 pg/ml	31.25~2000 pg/ml
GNEH027S-96T	Human IL-12p70 ELISA Kit	11.7 pg/ml	31.25~2000 pg/ml
GNEH028S-48T	Human IL-13 ELISA Kit	1.6 pg/ml	6.3~400 pg/ml
GNEH028S-96T	Human IL-13 ELISA Kit	1.6 pg/ml	6.3~400 pg/ml
GNEH029S-48T	Human IL-17A ELISA Kit	5.9 pg/ml	15.6~1000 pg/ml
GNEH029S-96T	Human IL-17A ELISA Kit	5.9 pg/ml	15.6~1000 pg/ml

货号	名称	灵敏度	检测范围
GNEH030-48T	Human IL-17E/IL-25 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH030-96T	Human IL-17E/IL-25 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH031-48T	Human IL-17F ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH031-96T	Human IL-17F ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH032-48T	Human IL-17A/F Heterodimer ELISA Kit	0.078 ng/ml	0.156~10 ng/ml
GNEH032-96T	Human IL-17A/F Heterodimer ELISA Kit	0.078 ng/ml	0.156~10 ng/ml
GNEH033-48T	Human IL-17B ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEH033-96T	Human IL-17B ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEH034S-48T	Human IL-18 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH034S-96T	Human IL-18 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH035-48T	Human IL-21 ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEH035-96T	Human IL-21 ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEH036-48T	Human IL-22 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH036-96T	Human IL-22 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH037-48T	Human IL-23 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH037-96T	Human IL-23 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH038-48T	Human IL-24 ELISA Kit	0.08 ng/ml	0.156~10 ng/ml
GNEH038-96T	Human IL-24 ELISA Kit	0.08 ng/ml	0.156~100g/ml
GNEH039-48T	Human IL-27 ELISA Kit	62.5 pg/ml	125~8000 pg/ml
GNEH039-96T	Human IL-27 ELISA Kit	62.5 pg/ml	125~8000 pg/ml
GNEH040-48T	Human IL-29 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH040-96T	Human IL-29 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH041-48T	Human IL-31 ELISA Kit	0.08 ng/ml	0.156~10 ng/ml
GNEH041-96T	Human IL-31 ELISA Kit	0.08 ng/ml	0.156~10 ng/ml
GNEH043-48T	Human IL-36 α ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH043-96T	Human IL-36 α ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH044-48T	Human IL-36 β ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH044-96T	Human IL-36 β ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH045-48T	Human IL-36 γ ELISA Kit	18.75 pg/ml	37.5~2400 pg/ml
GNEH045-96T	Human IL-36 γ ELISA Kit	18.75 pg/ml	37.5~2400 pg/ml
GNEH046-48T	Human IL-37 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH046-96T	Human IL-37 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH047-48T	Human IL-38 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH047-96T	Human IL-38 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH048-48T	Human Serum Amyloid A ELISA Kit	0.39 ng/ml	0.78~50 ng/ml
GNEH048-96T	Human Serum Amyloid A ELISA Kit	0.39 ng/ml	0.78~50 ng/ml
GNEH049-48T	Human Eotaxin ELISA Kit	2.35 pg/ml	4.69~300 pg/ml
GNEH049-96T	Human Eotaxin ELISA Kit	2.35 pg/ml	4.69~300 pg/ml
GNEH050-48T	Human MCP-3 ELISA Kit	0.078 ng/ml	0.156~20 ng/ml
GNEH050-96T	Human MCP-3 ELISA Kit	0.078 ng/ml	0.156~20 ng/ml
GNEH051-48T	Human MMP-7 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH051-96T	Human MMP-7 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml

货号	名称	灵敏度	检测范围
GNEH052-48T	Human ST2 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH052-96T	Human ST2 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH053-48T	Human ACE2 ELISA Kit	1.95 ng/ml	3.9~250 ng/ml
GNEH053-96T	Human ACE2 ELISA Kit	1.95 ng/ml	3.9~250 ng/ml
GNEH054-48T	Human progranulin ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH054-96T	Human progranulin ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH055-48T	Human BMP-4 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH055-96T	Human BMP-4 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH056-48T	Human Osteoprotegerin ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH056-96T	Human Osteoprotegerin ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH057-48T	Human HB-EGF ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH057-96T	Human HB-EGF ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH058S-48T	Human PD-1 ELISA Kit	1.6 pg/mL	3.9~250 pg/mL
GNEH058S-96T	Human PD-1 ELISA Kit	1.6 pg/mL	3.9~250 pg/mL
GNEH059-48T	Human PD-L1 ELISA Kit	78 pg/ml	156.3~10000 pg/ml
GNEH059-96T	Human PD-L1 ELISA Kit	78 pg/ml	156.3~10000 pg/ml
GNEH060-48T	Human Tie-2 ELISA Kit	39.1 pg/ml	78.1~5000 pg/ml
GNEH060-96T	Human Tie-2 ELISA Kit	39.1 pg/ml	78.1~5000 pg/ml
GNEH061-48T	Human Dickkopf-1 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH061-96T	Human Dickkopf-1 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH062-48T	Human MMP-1 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH062-96T	Human MMP-1 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH063-48T	Human MMP-9 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH063-96T	Human MMP-9 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH064-48T	Human IgA ELISA Kit	0.39 ng/ml	0.78~50 ng/ml
GNEH064-96T	Human IgA ELISA Kit	0.39 ng/ml	0.78~50 ng/ml
GNEH065-48T	Human IgE ELISA Kit	0.23 ng/ml	0.469~30 ng/ml
GNEH065-96T	Human IgE ELISA Kit	0.23 ng/ml	0.469~30 ng/ml
GNEH066-48T	Human IgG ELISA Kit	0.39 ng/ml	0.78~50 ng/ml
GNEH066-96T	Human IgG ELISA Kit	0.39 ng/ml	0.78~50 ng/ml
GNEH067-48T	Human IgG4 ELISA Kit	7.8 ng/ml	15.6~1000 ng/ml
GNEH067-96T	Human IgG4 ELISA Kit	7.8 ng/ml	15.6~1000 ng/ml
GNEH068-48T	Human IgM ELISA Kit	0.16 ng/ml	0.313~20 ng/ml
GNEH068-96T	Human IgM ELISA Kit	0.16 ng/ml	0.313~20 ng/ml
GNEH069-48T	Human VEGF-A ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH069-96T	Human VEGF-A ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH070-48T	Human VCAM-1 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH070-96T	Human VCAM-1 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH071-48T	Human β -NGF ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH071-96T	Human β -NGF ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH073-48T	Human IGF-BP1 ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEH073-96T	Human IGF-BP1 ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml

货号	名称	灵敏度	检测范围
GNEH074-48T	Human Insulin ELISA Kit	2 μ U/ml	3.9~250 μ U/ml
GNEH074-96T	Human Insulin ELISA Kit	2 μ U/ml	3.9~250 μ U/ml
GNEH075S-48T	Human IP-10 ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNEH075S-96T	Human IP-10 ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNEH076-48T	Human Leptin ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH076-96T	Human Leptin ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH077-48T	Human MIG ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH077-96T	Human MIG ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH078-48T	Human PAI-1 ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEH078-96T	Human PAI-1 ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEH079-48T	Human PDGF-BB ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH079-96T	Human PDGF-BB ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH080S-48T	Human Perforin ELISA Kit	19.5 pg/ml	39~2500 pg/ml
GNEH080S-96T	Human Perforin ELISA Kit	19.5 pg/ml	39~2500 pg/ml
GNEH081-48T	Human PIGF-1 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH081-96T	Human PIGF-1 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH082S-48T	Human RANTES ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH082S-96T	Human RANTES ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH083-48T	Human Resistin ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH083-96T	Human Resistin ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH084-48T	Human sCD40L ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH084-96T	Human sCD40L ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH085-48T	Human SCF ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH085-96T	Human SCF ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH086-48T	Human SDF-1 α ELISA Kit	62.5 pg/ml	125~8000 pg/ml
GNEH086-96T	Human SDF-1 α ELISA Kit	62.5 pg/ml	125~8000 pg/ml
GNEH087-48T	Human sICAM-1 ELISA Kit	0.23 ng/ml	0.469~30 ng/ml
GNEH087-96T	Human sICAM-1 ELISA Kit	0.23 ng/ml	0.469~30 ng/ml
GNEH088-48T	Human sRANK Ligand ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH088-96T	Human sRANK Ligand ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH089S-48T	Human IFN- α 2 ELISA Kit	5.5 pg/ml	11~700 pg/ml
GNEH089S-96T	Human IFN- α 2 ELISA Kit	5.5 pg/ml	11~700 pg/ml
GNEH090-48T	Human IFN- β ELISA Kit	0.16 ng/ml	0.313~20 ng/ml
GNEH090-96T	Human IFN- β ELISA Kit	0.16 ng/ml	0.313~20 ng/ml
GNEH091S-48T	Human IFN- γ ELISA Kit	5.8 pg/ml	15.6~1000 pg/ml
GNEH091S-96T	Human IFN- γ ELISA Kit	5.8 pg/ml	15.6~1000 pg/ml
GNEH092S-48T	Human TNF- α ELISA Kit	1.95 pg/ml	7.8~500 pg/ml
GNEH092S-96T	Human TNF- α ELISA Kit	1.95 pg/ml	7.8~500 pg/ml
GNEH093-48T	Human TWEAK ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH093-96T	Human TWEAK ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH094-48T	Human TL-1A ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH094-96T	Human TL-1A ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml

货号	名称	灵敏度	检测范围
GNEH095-48T	Human TNF-β ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH095-96T	Human TNF-β ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH096-48T	Human TGF-alpha ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH096-96T	Human TGF-alpha ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH097S-48T	Human TGF-β1 ELISA Kit	3.8 pg/ml	15.6~1000 pg/ml
GNEH097S-96T	Human TGF-β1 ELISA Kit	3.8 pg/ml	15.6~1000 pg/ml
GNEH098-48T	Human Latent TGF-β1 ELISA Kit	0.78 pM	1.56~100 pM
GNEH098-96T	Human Latent TGF-β1 ELISA Kit	0.78 pM	1.56~100 pM
GNEH099S-48T	Human MCP-1 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH099S-96T	Human MCP-1 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH100-48T	Human MCP-2 ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNEH100-96T	Human MCP-2 ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNEH101S-48T	Human MIP-1α ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH101S-96T	Human MIP-1α ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH103-48T	Human M-CSF ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH103-96T	Human M-CSF ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH104-48T	Human Adiponectin ELISA Kit	0.08 ng/ml	0.156~10 ng/ml
GNEH104-96T	Human Adiponectin ELISA Kit	0.08 ng/ml	0.156~10 ng/ml
GNEH105-48T	Human Albumin ELISA Kit	0.08 ng/ml	0.156~10 ng/ml
GNEH105-96T	Human Albumin ELISA Kit	0.08 ng/ml	0.156~10 ng/ml
GNEH106-48T	Human apoA1 ELISA Kit	0.63 ng/ml	1.25~80 ng/ml
GNEH106-96T	Human apoA1 ELISA Kit	0.63 ng/ml	1.25~80 ng/ml
GNEH107-48T	Human BAFF ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH107-96T	Human BAFF ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH108-48T	Human BD-1 ELISA Kit	0.78 pg/ml	1.56~100 pg/ml
GNEH108-96T	Human BD-1 ELISA Kit	0.78 pg/ml	1.56~100 pg/ml
GNEH109-48T	Human BD-2 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH109-96T	Human BD-2 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH110-48T	Human BD-4 ELISA Kit	0.78 pg/ml	1.56~100 pg/ml
GNEH110-96T	Human BD-4 ELISA Kit	0.78 pg/ml	1.56~100 pg/ml
GNEH111-48T	Human Betacellulin ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH111-96T	Human Betacellulin ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH112-48T	Human bFGF ELISA Kit	62.5 pg/ml	125~8000 pg/ml
GNEH112-96T	Human bFGF ELISA Kit	62.5 pg/ml	125~8000 pg/ml
GNEH113-48T	Human BMP-2 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH113-96T	Human BMP-2 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH114-48T	Human CCL19 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH114-96T	Human CCL19 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH115-48T	Human MDC/CCL22 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH115-96T	Human MDC/CCL22 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH116S-48T	Human CRP ELISA Kit	24.1 pg/ml	62.5~4000 pg/ml
GNEH116S-96T	Human CRP ELISA Kit	24.1 pg/ml	62.5~4000 pg/ml

货号	名称	灵敏度	检测范围
GNEH117-48T	Human CTACK ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH117-96T	Human CTACK ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH118-48T	Human CXCL16 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH118-96T	Human CXCL16 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH119-48T	Human CXCL4 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH119-96T	Human CXCL4 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH120-48T	Human EGF ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH120-96T	Human EGF ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH121-48T	Human TARC/CCL17 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH121-96T	Human TARC/CCL17 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEH122-48T	Human FGF-21 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH122-96T	Human FGF-21 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH124-48T	Human G-CSF ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH124-96T	Human G-CSF ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH125S-48T	Human GM-CSF ELISA Kit	8.2 pg/ml	31.25~2000 pg/ml
GNEH125S-96T	Human GM-CSF ELISA Kit	8.2 pg/ml	31.25~2000 pg/ml
GNEH126S-48T	Human Granzyme B ELISA Kit	2.6 pg/ml	7.8~500 pg/ml
GNEH126S-96T	Human Granzyme B ELISA Kit	2.6 pg/ml	7.8~500 pg/ml
GNEH127-48T	Human GRO beta ELISA Kit	0.78 pg/ml	1.56~100 pg/ml
GNEH127-96T	Human GRO beta ELISA Kit	0.78 pg/ml	1.56~100 pg/ml
GNEH128-48T	Human HGF ELISA Kit	62.5 pg/ml	125~8000 pg/ml
GNEH128-96T	Human HGF ELISA Kit	62.5 pg/ml	125~8000 pg/ml
GNEH129-48T	Human Neuroserpin ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH129-96T	Human Neuroserpin ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH130-48T	Human NGAL ELISA Kit	39.1 pg/ml	78.1~5000 pg/ml
GNEH130-96T	Human NGAL ELISA Kit	39.1 pg/ml	78.1~5000 pg/ml
GNEH131-48T	Human Thioredoxin-1 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH131-96T	Human Thioredoxin-1 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEH132-48T	Human Thrombopoietin ELISA Kit	62.5 pg/ml	125~8000 pg/ml
GNEH132-96T	Human Thrombopoietin ELISA Kit	62.5 pg/ml	125~8000 pg/ml
GNEH133-48T	Human TIMP-1 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH133-96T	Human TIMP-1 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEH135-48T	Human TIMP-4 ELISA Kit	62.5 pg/ml	125~8000 pg/ml
GNEH135-96T	Human TIMP-4 ELISA Kit	62.5 pg/ml	125~8000 pg/ml
GNEH136-48T	Human Vitamin D Binding Protein ELISA Kit	0.195 ng/ml	0.39~25 ng/ml
GNEH136-96T	Human Vitamin D Binding Protein ELISA Kit	0.195 ng/ml	0.39~25 ng/ml
GNEH260S-48T	Human IL-15 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH260S-96T	Human IL-15 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH261S-48T	Human IL-33 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH261S-96T	Human IL-33 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEH001-48T	Alpha Fetoprotein ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNEH001-96T	Alpha Fetoprotein ELISA Kit	0.78 ng/ml	1.56~100 ng/ml

货号	名称	灵敏度	检测范围
GNEH008-48T	Carcino Embryonic Antigen ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNEH008-96T	Carcino Embryonic Antigen ELISA Kit	0.78 ng/ml	1.56~100 ng/ml

Mouse ELISA

货号	名称	灵敏度	检测范围
GNEM137S-48T	Mouse IL-1 α ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEM137S-96T	Mouse IL-1 α ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEM138S-48T	Mouse IL-1 β ELISA Kit	2.2 pg/ml	7.8~500 pg/ml
GNEM138S-96T	Mouse IL-1 β ELISA Kit	2.2 pg/ml	7.8~500 pg/ml
GNEM139S-48T	Mouse IL-2 ELISA Kit	5.8 pg/ml	15.6~1000 pg/ml
GNEM139S-96T	Mouse IL-2 ELISA Kit	5.8 pg/ml	15.6~1000 pg/ml
GNEM141S-48T	Mouse IL-4 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM141S-96T	Mouse IL-4 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM142S-48T	Mouse IL-5 ELISA Kit	1.5 pg/ml	7.8~500 pg/ml
GNEM142S-96T	Mouse IL-5 ELISA Kit	1.5 pg/ml	7.8~500 pg/ml
GNEM143S-48T	Mouse IL-6 ELISA Kit	9.6 pg/ml	31.25~2000 pg/ml
GNEM143S-96T	Mouse IL-6 ELISA Kit	9.6 pg/ml	31.25~2000 pg/ml
GNEM144S-48T	Mouse KC/CXCL1 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM144S-96T	Mouse KC/CXCL1 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM146S-48T	Mouse IL-10 ELISA Kit	3.5 pg/ml	9.4~600 pg/ml
GNEM146S-96T	Mouse IL-10 ELISA Kit	3.5 pg/ml	9.4~600 pg/ml
GNEM147-48T	Mouse IL-12/23p40 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM147-96T	Mouse IL-12/23p40 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM148S-48T	Mouse IL-12p70 ELISA Kit	11.8 pg/ml	31.25~2000 pg/ml
GNEM148S-96T	Mouse IL-12p70 ELISA Kit	11.8 pg/ml	31.25~2000 pg/ml
GNEM149S-48T	Mouse IL-13 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM149S-96T	Mouse IL-13 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM150-48T	Mouse IL-15 ELISA Kit	11.7 pg/ml	23.44~1500 pg/ml
GNEM150-96T	Mouse IL-15 ELISA Kit	11.7 pg/ml	23.44~1500 pg/ml
GNEM151-48T	Mouse IL-16 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEM151-96T	Mouse IL-16 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEM152S-48T	Mouse IL-17A ELISA Kit	1.9 pg/ml	6.3~400 pg/ml
GNEM152S-96T	Mouse IL-17A ELISA Kit	1.9 pg/ml	6.3~400 pg/ml
GNEM153-48T	Mouse IL-17E ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEM153-96T	Mouse IL-17E ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEM154-48T	Mouse IL-17F ELISA Kit	11.7 pg/ml	23.44~1500 pg/ml
GNEM154-96T	Mouse IL-17F ELISA Kit	11.7 pg/ml	23.44~1500 pg/ml
GNEM155-48T	Mouse IL-17A/F Heterodimer ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEM155-96T	Mouse IL-17A/F Heterodimer ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml

货号	名称	灵敏度	检测范围
GNEM156-48T	Mouse IL-17B ELISA Kit	156.25 pg/ml	312.5~20000 pg/ml
GNEM156-96T	Mouse IL-17B ELISA Kit	156.25 pg/ml	312.5~20000 pg/ml
GNEM157-48T	Mouse IL-17D ELISA Kit	46.88 pg/ml	93.75~6000 pg/ml
GNEM157-96T	Mouse IL-17D ELISA Kit	46.88 pg/ml	93.75~6000 pg/ml
GNEM158S-48T	Mouse IL-18 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM158S-96T	Mouse IL-18 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM159-48T	Mouse IL-21 ELISA Kit	46.88 pg/ml	93.75~6000 pg/ml
GNEM159-96T	Mouse IL-21 ELISA Kit	46.88 pg/ml	93.75~6000 pg/ml
GNEM160S-48T	Mouse IL-22 ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEM160S-96T	Mouse IL-22 ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEM161-48T	Mouse IL-23 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEM161-96T	Mouse IL-23 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEM162-48T	Mouse IL-27 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEM162-96T	Mouse IL-27 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEM163-48T	Mouse IL-27p28 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM163-96T	Mouse IL-27p28 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM164-48T	Mouse IL-33 ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEM164-96T	Mouse IL-33 ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEM165-48T	Mouse IL-33R ELISA Kit	0.16 ng/ml	0.313~20 ng/ml
GNEM165-96T	Mouse IL-33R ELISA Kit	0.16 ng/ml	0.313~20 ng/ml
GNEM166-48T	Mouse PD-L1 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM166-96T	Mouse PD-L1 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM167-48T	Mouse Dickkopf-1 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEM167-96T	Mouse Dickkopf-1 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEM168-48T	Mouse MMP-9 ELISA Kit	0.08 ng/ml	0.156~10 ng/ml
GNEM168-96T	Mouse MMP-9 ELISA Kit	0.08 ng/ml	0.156~10 ng/ml
GNEM169-48T	Mouse IgA ELISA Kit	1.56 ng/ml	3.125~200 ng/ml
GNEM169-96T	Mouse IgA ELISA Kit	1.56 ng/ml	3.125~200 ng/ml
GNEM170-48T	Mouse IgE ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNEM170-96T	Mouse IgE ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNEM171-48T	Mouse IgG ELISA Kit	0.08 ng/ml	0.156~10 ng/ml
GNEM171-96T	Mouse IgG ELISA Kit	0.08 ng/ml	0.156~10 ng/ml
GNEM172-48T	Mouse IgG1 ELISA Kit	1.56 ng/ml	3.125~200 ng/ml
GNEM172-96T	Mouse IgG1 ELISA Kit	1.56 ng/ml	3.125~200 ng/ml
GNEM173-48T	Mouse IgG2a ELISA Kit	0.19 ng/ml	0.39~25 ng/ml
GNEM173-96T	Mouse IgG2a ELISA Kit	0.19 ng/ml	0.39~25 ng/ml
GNEM174-48T	Mouse IgG2b ELISA Kit	0.156 ng/ml	0.313~20 ng/ml
GNEM174-96T	Mouse IgG2b ELISA Kit	0.156 ng/ml	0.313~20 ng/ml
GNEM175-48T	Mouse IgG3 ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNEM175-96T	Mouse IgG3 ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNEM176-48T	Mouse IgM ELISA Kit	0.16 ng/ml	0.313~20 ng/ml
GNEM176-96T	Mouse IgM ELISA Kit	0.16 ng/ml	0.313~20 ng/ml

货号	名称	灵敏度	检测范围
GNEM177-48T	Mouse VEGF ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM177-96T	Mouse VEGF ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM178-48T	Mouse TSLP ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEM178-96T	Mouse TSLP ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEM179-48T	Mouse IGF-I ELISA Kit	46.88 pg/ml	93.75~6000 pg/ml
GNEM179-96T	Mouse IGF-I ELISA Kit	46.88 pg/ml	93.75~6000 pg/ml
GNEM180S-48T	Mouse IP-10 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEM180S-96T	Mouse IP-10 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEM181-48T	Mouse KIM-1 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM181-96T	Mouse KIM-1 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM182-48T	Mouse MDC ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEM182-96T	Mouse MDC ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEM183-48T	Mouse PD1 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM183-96T	Mouse PD1 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM184-48T	Mouse PDGF-BB ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEM184-96T	Mouse PDGF-BB ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEM185-48T	Mouse Resistin ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM185-96T	Mouse Resistin ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM186-48T	Mouse sRANK Ligand ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEM186-96T	Mouse sRANK Ligand ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEM187S-48T	Mouse IFN- α ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEM187S-96T	Mouse IFN- α ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEM188S-48T	Mouse IFN- γ ELISA Kit	3.6 pg/ml	15.6~1000 pg/ml
GNEM188S-96T	Mouse IFN- γ ELISA Kit	3.6 pg/ml	15.6~1000 pg/ml
GNEM189S-48T	Mouse TNF- α ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEM189S-96T	Mouse TNF- α ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEM190S-48T	Mouse TGF- β 1 ELISA Kit	3.8 pg/ml	15.6~1000 pg/ml
GNEM190S-96T	Mouse TGF- β 1 ELISA Kit	3.8 pg/ml	15.6~1000 pg/ml
GNEM192S-48T	Mouse MIP-1 α ELISA Kit	1.56 pg/ml	3.125~200 pg/ml
GNEM192S-96T	Mouse MIP-1 α ELISA Kit	1.56 pg/ml	3.125~200 pg/ml
GNEM194-48T	Mouse MIP-2 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEM194-96T	Mouse MIP-2 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEM195-48T	Mouse M-CSF ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM195-96T	Mouse M-CSF ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM196-48T	Mouse Adiponectin ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEM196-96T	Mouse Adiponectin ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEM197-48T	Mouse IFN- β ELISA Kit	3.13U/ml	6.25~400U/ml
GNEM197-96T	Mouse IFN- β ELISA Kit	3.13U/ml	6.25~400U/ml
GNEM198-48T	Mouse CCL21 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEM198-96T	Mouse CCL21 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNEM199S-48T	Mouse CRP ELISA Kit	11.7 pg/ml	23.44~1500 pg/ml
GNEM199S-96T	Mouse CRP ELISA Kit	11.7 pg/ml	23.44~1500 pg/ml

货号	名称	灵敏度	检测范围
GNEM200-48T	Mouse CXCL4 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEM200-96T	Mouse CXCL4 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEM201-48T	Mouse FGF-21 ELISA Kit	1.9 pg/ml	3.9~250 pg/ml
GNEM201-96T	Mouse FGF-21 ELISA Kit	1.9 pg/ml	3.9~250 pg/ml
GNEM202-48T	Mouse BCMA ELISA Kit	39.1 pg/ml	78.1~5000 pg/ml
GNEM202-96T	Mouse BCMA ELISA Kit	39.1 pg/ml	78.1~5000 pg/ml
GNEM262S-48T	Mouse RANTES ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNEM262S-96T	Mouse RANTES ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNEM264S-48T	Mouse GM-CSF ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEM264S-96T	Mouse GM-CSF ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml

Rat ELISA

货号	名称	灵敏度	检测范围
GNER232-48T	Rat IL-1 α ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNER232-96T	Rat IL-1 α ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNER233-48T	Rat IL-1 β ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNER233-96T	Rat IL-1 β ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNER234-48T	Rat IL-2 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNER234-96T	Rat IL-2 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNER235-48T	Rat IL-4 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNER235-96T	Rat IL-4 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNER236-48T	Rat IL-6 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNER236-96T	Rat IL-6 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNER237-48T	Rat KC ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNER237-96T	Rat KC ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNER238-48T	Rat IL-10 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNER238-96T	Rat IL-10 ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNER239-48T	Rat IL-17A ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNER239-96T	Rat IL-17A ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNER240-48T	Rat IL-18 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNER240-96T	Rat IL-18 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNER241-48T	Rat MMP-9 ELISA Kit	39.1 pg/ml	78.1~5000 pg/ml
GNER241-96T	Rat MMP-9 ELISA Kit	39.1 pg/ml	78.1~5000 pg/ml
GNER242-48T	Rat IgA ELISA Kit	1.95 ng/ml	3.9~250 ng/ml
GNER242-96T	Rat IgA ELISA Kit	1.95 ng/ml	3.9~250 ng/ml
GNER243-48T	Rat IgE ELISA Kit	3.9 ng/ml	7.8~500 ng/ml
GNER243-96T	Rat IgE ELISA Kit	3.9 ng/ml	7.8~500 ng/ml
GNER244-48T	Rat IgG ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNER244-96T	Rat IgG ELISA Kit	0.78 ng/ml	1.56~100 ng/ml

货号	名称	灵敏度	检测范围
GNER245-48T	Rat IgG1 ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNER245-96T	Rat IgG1 ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNER246-48T	Rat IgG2a ELISA Kit	1.6 ng/ml	3.125~200 ng/ml
GNER246-96T	Rat IgG2a ELISA Kit	1.6 ng/ml	3.125~200 ng/ml
GNER247-48T	Rat IgG2b ELISA Kit	0.4 ng/ml	0.78~50 ng/ml
GNER247-96T	Rat IgG2b ELISA Kit	0.4 ng/ml	0.78~50 ng/ml
GNER248-48T	Rat IgM ELISA Kit	0.16 ng/ml	0.313~20 ng/ml
GNER248-96T	Rat IgM ELISA Kit	0.16 ng/ml	0.313~20 ng/ml
GNER249-48T	Rat VEGF ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNER249-96T	Rat VEGF ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNER250-48T	Rat PDGF-BB ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNER250-96T	Rat PDGF-BB ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNER251-48T	Rat SCF ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNER251-96T	Rat SCF ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNER252-48T	Rat IFN- γ ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNER252-96T	Rat IFN- γ ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNER253-48T	Rat TNF- α ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNER253-96T	Rat TNF- α ELISA Kit	31.25 pg/ml	62.5~4000 pg/ml
GNER254S-48T	Rat TGF- β 1 ELISA Kit	3.8 pg/ml	15.6~1000 pg/ml
GNER254S-96T	Rat TGF- β 1 ELISA Kit	3.8 pg/ml	15.6~1000 pg/ml
GNER255-48T	Rat MCP-1 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNER255-96T	Rat MCP-1 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNER256-48T	Rat MIP-1 α ELISA Kit	0.95 pg/ml	1.95~125 pg/ml
GNER256-96T	Rat MIP-1 α ELISA Kit	0.95 pg/ml	1.95~125 pg/ml
GNER257-48T	Rat EGF ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNER257-96T	Rat EGF ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml

其他种属ELISA

货号	名称	灵敏度	检测范围
GNEB002-48T	Bovine IL-4 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEB002-96T	Bovine IL-4 ELISA Kit	15.6 pg/ml	31.25~2000 pg/ml
GNEB003-48T	Bovine IL-8 ELISA Kit	6.25 pg/ml	12.5~800 pg/ml
GNEB003-96T	Bovine IL-8 ELISA Kit	6.25 pg/ml	12.5~800 pg/ml
GNEB004-48T	Bovine IgG ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNEB004-96T	Bovine IgG ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNEB005-48T	Bovine IFN- γ ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEB005-96T	Bovine IFN- γ ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEMK204-48T	Monkey IL-1RA ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml
GNEMK204-96T	Monkey IL-1RA ELISA Kit	23.44 pg/ml	46.875~3000 pg/ml

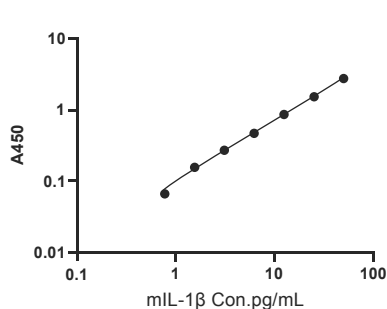
货号	名称	灵敏度	检测范围
GNEMK205-48T	Monkey IL-2 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEMK205-96T	Monkey IL-2 ELISA Kit	3.9 pg/ml	7.8~500 pg/ml
GNEMK206-48T	Monkey IL-4 ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNEMK206-96T	Monkey IL-4 ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNEMK207-48T	Monkey IL-5 ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNEMK207-96T	Monkey IL-5 ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNEMK208S-48T	Monkey IL-6 ELISA Kit	7.61 pg/ml	15.6~1000 pg/mL
GNEMK208S-96T	Monkey IL-6 ELISA Kit	7.61 pg/ml	15.6~1000 pg/mL
GNEMK209-48T	Monkey IL-12/23p40 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEMK209-96T	Monkey IL-12/23p40 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEMK210-48T	Monkey IL-13 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEMK210-96T	Monkey IL-13 ELISA Kit	7.8 pg/ml	15.6~1000 pg/ml
GNEMK211-48T	Monkey IgA ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNEMK211-96T	Monkey IgA ELISA Kit	0.78 ng/ml	1.56~100 ng/ml
GNEMK212-48T	Monkey IgG ELISA Kit	0.39 ng/ml	0.78~50 ng/ml
GNEMK212-96T	Monkey IgG ELISA Kit	0.39 ng/ml	0.78~50 ng/ml
GNEMK213-48T	Monkey IgM ELISA Kit	1.56 ng/ml	3.125~200 ng/ml
GNEMK213-96T	Monkey IgM ELISA Kit	1.56 ng/ml	3.125~200 ng/ml
GNEMK214-48T	Monkey Insulin ELISA Kit	0.39 μ IU/ml	0.78~50 μ IU/ml
GNEMK214-96T	Monkey Insulin ELISA Kit	0.39 μ IU/ml	0.78~50 μ IU/ml
GNEMK215-48T	Monkey Perforin ELISA Kit	19.5 pg/ml	39~2500 pg/ml
GNEMK215-96T	Monkey Perforin ELISA Kit	19.5 pg/ml	39~2500 pg/ml
GNEMK216S-48T	Monkey IFN- γ ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNEMK216S-96T	Monkey IFN- γ ELISA Kit	1.95 pg/ml	3.9~250 pg/ml
GNEMK217-48T	Monkey IFN- α pan ELISA Kit	5.5 pg/ml	11~700 pg/ml
GNEMK217-96T	Monkey IFN- α pan ELISA Kit	5.5 pg/ml	11~700 pg/ml
GNEMK218-48T	Monkey TNF- α ELISA Kit	3.125 pg/ml	6.25~400 pg/ml
GNEMK218-96T	Monkey TNF- α ELISA Kit	3.125 pg/ml	6.25~400 pg/ml
GNEMK219-48T	Monkey Apo A1 ELISA Kit	0.63 ng/ml	1.25~80 ng/ml
GNEMK219-96T	Monkey Apo A1 ELISA Kit	0.63 ng/ml	1.25~80 ng/ml

高灵敏 ELISA 试剂盒

建诺为High Sensitivity ELISA试剂盒可对低丰度检测物实现精确定量分析。经过验证，高灵敏度ELISA试剂盒可适用于血清、血浆、细胞上清、组织匀浆液等常见样本类型。

产品优势

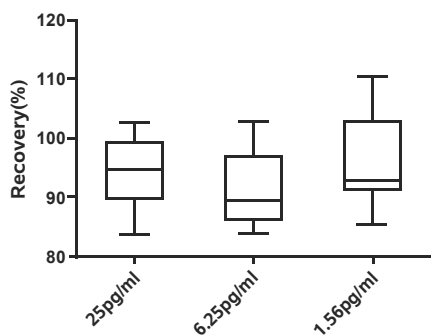
- 高灵敏度-试剂盒的灵敏度普遍 <1.0 pg/ml，且结果可靠
- 样本用量少-最多需要50 μ l样本
- 操作简单-与常规ELISA操作流程一样，无需增加信号放大步骤
- 对设备要求低-使用常规比色法酶标仪(450 nm)读数即可



小鼠IL-1 β ELISA的标准曲线

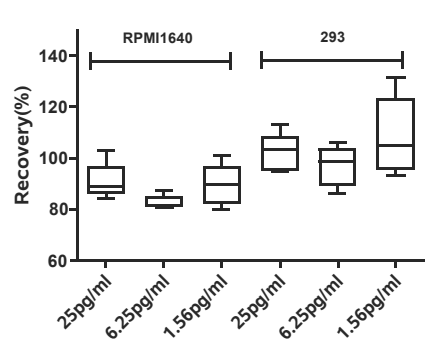
定量范围: 0.78~50 pg/ml

灵敏度: 0.24 pg/ml



小鼠IL-1 β 在血清中回收率

通过将3个浓度的小鼠IL-1 β 加入到10个血清样本中评估回收率，平均回收率为91.5~95.9%



小鼠IL-1 β 在细胞培养上清中回收率

通过将3个浓度的小鼠IL-1 β 加入到经过RPMI-1640(含10%FBS)或293细胞无血清培养基培养的细胞上清样本中评估回收率，平均回收率为83.3~108.7%

表 1. 试剂盒批内与批间分析

	批内分析			批间分析		
	No.1	No.2	No.3	No.1	No.2	No.3
样品编号	No.1	No.2	No.3	No.1	No.2	No.3
测定次数	20	20	20	20	20	20
浓度均值(pg/ml)	47.1	23.4	12.2	44.9	22.7	11.8
C.V.(%)	5.80	6.40	2.40	10.20	9.20	5.60

通过已知浓度的3个样品，同一块板上测定20次评估批内差异。总批内变异系数为4.9%。通过已知浓度的3个样品，经过2个以上批次的试剂盒，且经过3个不同实验员的测定20次评估批间差异。总批间变异系数为8.3%。

表 2. 小鼠 IL-1 β 在血液样本中稀释后的线性关系

理论浓度	稀释比列	平均浓度 (pg/ml)	平均回收率(%)
50 pg/ml	1:2	47.02	94.05
25 pg/ml	1:4	23.67	94.69
12.5 pg/ml	1:8	12.41	99.30
6.25 pg/ml	1:16	5.94	94.99

将不同浓度的小鼠IL-1 β 标准品，加入到小鼠血清样品中，用样本稀释液，以2倍梯度连续稀释4次。每个实验测定4个样品，计算稀释后的样品浓度与回收率范围(表2)。

高灵敏 ELISA 产品目录(部分)

货号	种属	靶点	灵敏度	检测范围
GNEH012HS-48T	Human	IL-1 β	0.1 pg/ml	0.16~10 pg/ml
GNEH012HS-96T	Human	IL-1 β	0.1 pg/ml	0.16~10 pg/ml
GNEH014HS-48T	Human	IL-2	0.8 pg/ml	0.56~100 pg/ml
GNEH014HS-96T	Human	IL-2	0.8 pg/ml	0.56~100 pg/ml
GNEH017HS-48T	Human	IL-4	0.02 pg/ml	0.04~2.5 pg/ml
GNEH017HS-96T	Human	IL-4	0.02 pg/ml	0.04~2.5 pg/ml
GNEH018HS-48T	Human	IL-5	0.16 pg/ml	0.31~20 pg/ml
GNEH018HS-96T	Human	IL-5	0.16 pg/ml	0.31~20 pg/ml
GNEH019HS-48T	Human	IL-6	0.15 pg/ml	0.23~15 pg/ml
GNEH019HS-96T	Human	IL-6	0.15 pg/ml	0.23~15 pg/ml
GNEH024HS-48T	Human	IL-10	0.16 pg/ml	0.31~20 pg/ml
GNEH024HS-96T	Human	IL-10	0.16 pg/ml	0.31~20 pg/ml
GNEH029HS-48T	Human	IL-17A	0.08 pg/ml	0.16~10 pg/ml
GNEH029HS-96T	Human	IL-17A	0.08 pg/ml	0.16~10 pg/ml
GNEH091HS-48T	Human	IFN- γ	0.78 pg/ml	1.56~100 pg/ml
GNEH091HS-96T	Human	IFN- γ	0.78 pg/ml	1.56~100 pg/ml
GNEM137HS-48T	Mouse	IL-1 α	0.49 pg/ml	0.63~40 pg/ml
GNEM137HS-96T	Mouse	IL-1 α	0.49 pg/ml	0.63~40 pg/ml
GNEM138HS-48T	Mouse	IL-1 β	0.24 pg/ml	0.78~50 pg/ml
GNEM138HS-96T	Mouse	IL-1 β	0.24 pg/ml	0.78~50 pg/ml
GNEM139HS-48T	Mouse	IL-2	0.4 pg/ml	0.63~40 pg/ml
GNEM139HS-96T	Mouse	IL-2	0.4 pg/ml	0.63~40 pg/ml
GNEM141HS-48T	Mouse	IL-4	1.7 pg/ml	2.34~150 pg/ml
GNEM141HS-96T	Mouse	IL-4	1.7 pg/ml	2.34~150 pg/ml
GNEM142HS-48T	Mouse	IL-5	0.4 pg/ml	0.78~50 pg/ml
GNEM142HS-96T	Mouse	IL-5	0.4 pg/ml	0.78~50 pg/ml
GNEM143HS-48T	Mouse	IL-6	1.5 pg/ml	3.1~200 pg/ml
GNEM143HS-96T	Mouse	IL-6	1.5 pg/ml	3.1~200 pg/ml
GNEM146HS-48T	Mouse	IL-10	0.45 pg/ml	0.78~50 pg/ml
GNEM146HS-96T	Mouse	IL-10	0.45 pg/ml	0.78~50 pg/ml
GNEM148HS-48T	Mouse	IL-12p70	0.48 pg/ml	1.25~80 pg/ml
GNEM148HS-96T	Mouse	IL-12p70	0.48 pg/ml	1.25~80 pg/ml
GNEM160HS-48T	Mouse	IL-22	0.29 pg/ml	0.78~50 pg/ml
GNEM160HS-96T	Mouse	IL-22	0.29 pg/ml	0.78~50 pg/ml
GNEM188HS-48T	Mouse	IFN- γ	0.32 pg/ml	0.63~40 pg/ml
GNEM188HS-96T	Mouse	IFN- γ	0.32 pg/ml	0.63~40 pg/ml

ELISA辅助试剂

根据不同需求，建诺为还提供从样品前处理、蛋白定量到ELISA检测整个流程相关缓冲液，可用作ELISA实验的各种辅助试剂。建诺为ELISA辅助试剂均已经过验证，稳定性好，可与试剂盒搭配使用，帮助科研工作人员在ELISA实验中提高效率，获得更好的实验结果。

产品优势

- 灵活：每个阶段每种产品单独购买；
- 实惠：包括多种规格，按需购买；
- 完整易用：全流程试剂，与即用型ELISA试剂盒相同的品质。

具体产品参见产品目录

组织&细胞裂解液

组织裂解缓冲液(中等强度)是一款有效的裂解组织细胞的缓冲液。在传统RIPA缓冲液的基础上，配方经过改良，不含SDS，使其能够有效裂解组织细胞，同时最大程度地保持蛋白活性。

细胞裂解缓冲液(中等强度)是一款有效的裂解贴壁细胞和悬浮细胞的缓冲液。在传统RIPA缓冲液的基础上，配方经过改良，不含SDS，能够有效裂解细胞，同时保持细胞核的完整性，最大程度地发挥蛋白活性。

所得组织&细胞裂解液可用于WB、ELISA、免疫沉淀、免疫共沉淀等实验，并与BCA蛋白测定试剂盒兼容。裂解缓冲液含有一些蛋白酶和磷酸酶抑制剂。为有效防止蛋白降解，建议使用前根据实际使用量添加1 mM PMSF。

总蛋白定量BCA试剂盒

BCA(Bicinchoninic Acid)蛋白测定法

BCA法由于其灵敏度高，兼容性强，已成为实验室中最广泛使用的蛋白质测定法之一。该方法基于双缩脲原理，碱性条件下蛋白质将 Cu^{2+} 还原成 Cu^{+} ，BCA螯合 Cu^{+} 作为显色剂，产生蓝紫色并在562nm有吸收峰，单价 Cu^{+} 与蛋白质呈剂量相关性。可以根据待测蛋白在562nm处的吸光度计算待测蛋白浓度。

产品优势

- 线性定量范围宽：定量范围20~2000 $\mu\text{g/ml}$ ；
- 灵敏度高：灵敏度为5 $\mu\text{g/ml}$ ；
- 兼容各种去污剂(离子和非离子)：可兼容高达5% SDS, TritonX-100及Tween等；

特别说明

- 样本中存在的半胱氨酸、酪氨酸和色氨酸可能影响结果的准确性。
- 裂解液中的蔗糖、葡萄糖、 NH_4^+ 和EDTA会影响测定结果。

ELISA辅助试剂目录

货号	名称	规格	用途
GNE-0000-30	一步法封闭固定液 (1x)	30 mL/瓶	ELISA封闭和固定一步完成, 可支持包被板长时间性能稳定
GNE-8888-100	ELISA清洗缓冲液 (20x)	100 mL/瓶	ELISA洗板, 有效降低ELISA分析过程中非特异性吸附。
GNE-8889-100	多因子清洗缓冲液 (20x)	100 mL/瓶	多因子洗板, 有效降低检测过程中非特异性吸附。
GNE-7778-25	5x 包被缓冲液 (pH 9.6)	25 mL/瓶	专门为ELISA抗体包被开发的, 明亮的颜色可清楚指示加液情况, 确保包板无漏加。
GNE-7779-25	5x 包被缓冲液 (pH 7.4)	25 mL/瓶	
GNE-0001-30	封闭液 (1x)	30 mL/瓶	用于ELISA封闭, 背景低, 有效减少非特异性的吸附。
GNE-5555-100	TMB 终止缓冲液 (450nm) (1x)	100 mL/瓶	终止ELISA TMB 底物颜色反应
GNE-1111-100	TMB 底物溶液 (1x)	100 mL/瓶	ELISA显色底物
GNE-1116-24	链霉亲和素HRP (50x)	0.24 mL/瓶	用于ELISA中催化底物显色
GNE-9999-TGFB	TGF- β 样本活化指示剂	10 mL/瓶	活化样本, 配合TGF-beta 检测试剂盒使用
GNE-1212-10P	未包被ELISA辅助试剂包 I	包	专用于配套未包被ELISA试剂盒使用, 含有洗液和底物终止液, 支持10块96孔板用量。
GNE-1818-1P	未包被ELISA辅助试剂包 II	包	提供除抗体对和标准品外的所有ELISA辅助试剂, 包括: 包被液, 封闭液, 通用稀释液, 洗液, TMB底物溶液, 终止液, ELISA高亲和力可拆卸板以及封板膜, 支持1块96孔板用量
GNE-1213-10P	未包被ELISA辅助试剂包III (含板)	包	专用于配套未包被ELISA试剂盒使用, 含有洗液和底物终止液以及可拆卸ELISA专用板, 支持10块96孔板用量。
GNP-5555-50T	BCA 蛋白定量试剂盒	50 tests/盒	对总蛋白进行定量
GNP-5555-250T	BCA 蛋白定量试剂盒	250 tests/盒	对总蛋白进行定量
GNP-5555-500T	BCA 蛋白定量试剂盒	500 tests/盒	对总蛋白进行定量
GNE-5656-20	细胞裂解液 (中等强度)	20 mL/瓶	试剂盒含有细胞裂解液、细胞清洗液以及台盼蓝, 配合温和, 在有效裂解细胞的同时, 保留细胞核完整并最大程度保持蛋白的活性, 可以用后续ELISA/WB/IP等试验
GNE-5656-100	细胞裂解液 (中等强度)	100 mL/瓶	试剂盒含有细胞裂解液、细胞清洗液以及台盼蓝, 配合温和, 在有效裂解细胞的同时, 保留细胞核完整并最大程度保持蛋白的活性, 可以用后续ELISA/WB/IP等试验
GNE-5658-100	组织细胞裂解液 (中等强度)	100 mL/瓶	组织细胞裂解液配合温和, 在有效裂解组织细胞的同时, 最大程度保持蛋白的活性, 可以用后续ELISA/WB/IP等试验
GNE-5658-20	组织细胞裂解液 (中等强度)	20 mL/瓶	组织细胞裂解液配合温和, 在有效裂解组织细胞的同时, 最大程度保持蛋白的活性, 可以用后续ELISA/WB/IP等试验
GNE-3010-1MG	快速生物素标记试剂盒	1 test/盒	1: 在30min内完成最多1mg蛋白的生物素标记; 2: 不需要用到有机溶剂, 可防止蛋白失活; 3, 操作方便, 不需要层析设备。该规格支持一次反应。支持大规格定制
GNE-3030-1MG	快速生物素标记试剂盒	3 tests/盒	1: 在30min内完成最多1mg蛋白的生物素标记; 2: 不需要用到有机溶剂, 可防止蛋白失活; 3, 操作方便, 不需要层析设备。该规格支持三次反应。支持大规格定制
GNE-0002-100ML	血液样本稀释液	100 mL/瓶	血液样本稀释液是一款专门为人和小鼠血液样本酶联免疫分析开发的稀释液, 该稀释液使用简单, 能够有效降低血液样本的分析过程中的干扰, 提高分析准确性。

未包被 ELISA 辅助试剂包内具体产品信息

未包被 ELISA 辅助试剂包 II 组分 (GNE-1818-1P)

试剂包组分	规格	数量	使用推荐
1x 彩色包被缓冲液 pH7.4 或 9.6	12 mL	1 瓶	即用型, 100 μ L/孔
1x 封闭固定液	24 mL	1 瓶	即用型, 200 μ L/孔
5x 通用稀释液	10 mL	1 瓶	使用纯水稀释 5 倍, 按需使用。可稀释样本、抗体以及酶
20x 清洗液	50 mL	1 瓶	使用纯水稀释 20 倍, 300 μ L/孔
1xTMB 底物溶液 (450nm)	12 mL	1 瓶	即用型, 100 μ L/孔
底物终止液	12 mL	1 瓶	即用型, 100 μ L/孔
ELISA 板	8*12条	1 块	可拆卸使用
封板膜	/	6 张	/

未包被 ELISA 辅助试剂包 I 组分 (GNE-1212-10P)

试剂包组分	规格	数量	使用推荐
20x 清洗液	100 mL	3 瓶	使用纯水稀释 20 倍, 300 μ L/孔
底物终止液	100 mL	1 瓶	即用型, 100 μ L/孔

未包被 ELISA 辅助试剂包 III 组分 (GNE-1213-10P)

试剂包组分	规格	数量	使用推荐
20x 清洗液	250 mL	2 瓶	使用纯水稀释 20 倍, 300 μ L/孔
底物终止液	50 mL	2 瓶	即用型, 100 μ L/孔
可拆卸 ELISA 专用版	8*12条	10 块	/

不同样本制备方法介绍

正确的样本收集和前处理方法，是实验成功进行的关键步骤。样本的制备过程可以按照具体的实验进行优化。构建新的检测法时，最好查阅文献，找到与您的试验类似的实验案例。下面对常见生物样本的制备方法进行介绍。

细胞培养上清

- 将细胞培养基转移至离心管，在4°C以1500 rpm离心10分钟；
- 取上清，按实验需求分装保存于-80°C，尽可能减少冻融次数。

细胞裂解液

- 将细胞培养板放置在冰上，小心吸出培养基并用预冷的PBS轻柔清洗细胞；
- 吸出PBS，加入适量细胞裂解液（临用前加入蛋白酶抑制剂），剥离细胞，收集在预冷的离心管中；
- 可以采取涡旋、超声破碎等方式使细胞充分裂解，并在冰上孵育15-30分钟；
- 在4°C以13000 rpm离心10分钟，除去细胞碎片；
- 取上清，按实验需求分装保存于-80°C，尽可能减少冻融次数。

血清

- 用未经处理的采血管或离心管收集全血，室温静置20分钟，使血清析出；
- 4°C，以3000 rpm离心10分钟，小心吸取上清；
- 按实验需求分装保存于-80°C，尽可能减少冻融次数。

血浆

- 用含抗凝剂的采血管或离心管收集全血；
- 样本采集后30分钟内，在4°C以3000 rpm离心10分钟；
- 按实验需求分装保存于-80°C，尽可能减少冻融次数。

注：常用的抗凝剂有EDTA、肝素钠和枸橼酸钠等，采集样本前应仔细阅读说明书，检查试剂盒是否对抗凝剂有特殊要求。

组织匀浆液

- 将组织样本用预冷的PBS冲洗，洗去组织表面残留的血液或杂质，后续全程在冰上操作；
- 将组织块称重，剪碎，按一定的比例加入预冷的PBS或裂解液（临用前加入蛋白酶抑制剂）匀浆；
- 在4°C以13000 rpm离心20分钟，取上清，按实验需求分装保存于-80°C，尽可能减少冻融次数。

唾液、尿液等其他液体生物样本

- 收集样本并在4°C以12000 rpm离心2分钟，取上清，按实验需求分装保存于-80°C，尽可能减少冻融次数。

ELISA常见问题及解决方案

问题	可能原因	解决方案
标准曲线线性不佳	标准品溶液配置不当	开盖前进行短暂离心；检查复溶后是否存在不溶物。确认是否进行正确稀释。
	标准品已降解	按推荐方式保存和处理标准品。
	曲线与标度无法拟合	尝试使用不同的标度绘制曲线，例如双对数、5 参数逻辑曲线拟合。
无信号	孵育时间过短或温度过低	遵循说明书进行孵育。
	靶标含量低于检测限	降低样本的稀释倍数或浓缩样本。
	样本类型不兼容	对于没有验证过的样本类型，检测信号可能减弱或没有检测信号。使用验证过的样本类型作为阳性对照同时进行检测。
	检测缓冲液兼容性	确保检测缓冲液与目标靶点兼容如保留酶活性、保留蛋白质相互作用）。
	样本制备不正确	确保正确进行样本制备/稀释。
	波长不正确	确认波长，再次读板。
平行性差	孔内有气泡	读板前，确保不存在气泡。
	孔洗涤不均匀/不彻底	检查洗板机的所有管口是否畅通。使用推荐方法进行洗涤。
	试剂未充分混匀	确保所有试剂充分混匀。
	样本制备或保存条件不一致	确保样本制备保持一致，并使用最佳样本保存条件（例如尽可能减少冻融次数）。
背景偏高	孔洗涤不充分	按照实验方案建议洗涤孔。
	洗涤缓冲液被污染	制备新鲜的洗涤缓冲液。
	抗体、酶等试剂稀释不当	确保试剂被正确稀释或降低检测试剂的推荐浓度。
	封闭缓冲液无效	尝试不同的封闭剂和/或将封闭剂添加到洗涤缓冲液中。
	孵育/洗涤缓冲液的盐浓度	增加盐浓度可能会减少非特异性和/或减弱靶外相互作用。
	添加终止液后很久才读板	添加终止液后立即读板。
灵敏度偏低	ELISA 试剂盒保存不当	按推荐方式保存所有试剂。请注意，每种试剂的保存要求可能有所不同。
	检测方法不够灵敏	延长孵育时间或升高温度。
	缓冲液或样本成分干扰	确认试剂中是否存在干扰性化合物。例如，抗体中的叠氮化钠会抑制HRP酶，在血浆中用作抗凝剂的EDTA会抑制酶反应。
	混用或交换不同试剂盒中的试剂	避免混用来自不同试剂盒的试剂。



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