

Product Datasheet

Rat IL-1 beta/IL-1F2 ELISA Kit (Colorimetric) NBP1-92702

Unit Size: 96 Tests

Storage of components varies. See protocol for specific instructions.

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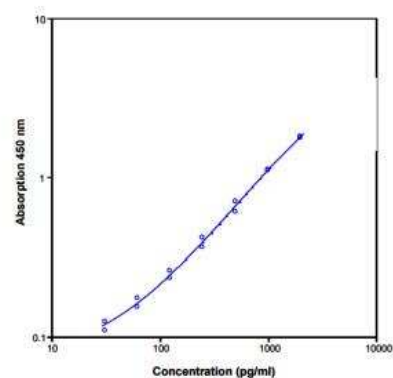


NBP1-92702**Rat IL-1 beta/IL-1F2 ELISA Kit (Colorimetric)**

Product Information	
Unit Size	96 Tests
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.
Product Description	
Description	This kit is an enzyme-linked immunosorbent assay for quantitative detection.
Gene ID	3553
Gene Symbol	IL1B
Species	Rat
Specificity/Sensitivity	The interference of circulating factors of the immune system was evaluated by spiking these proteins at physiologically relevant concentrations into a rat IL-1 beta positive serum.
Kit Components	Aluminium pouch(es) with a Microwell Plate coated with polyclonal antibody to rat IL-1beta, Biotin-Conjugate anti-rat IL-1beta polyclonal antibody, Streptavidin-HRP, Rat IL-1beta Standard lyophilized, 4 ng/ml upon reconstitution, Sample Diluent, Assay Buffer Concentrate 20x (PBS with 1% Tween 20 and 10% BSA), Wash Buffer Concentrate 20x (PBS with 1% Tween 20), Substrate Solution (tetramethyl-benzidine), Stop Solution (1M Phosphoric acid), Adhesive Films
Standard Curve Range	31.3 - 2,000 pg/mL
Sensitivity	4.0 pg/mL
Inter Assay	CV% < 10%
Intra Assay	CV% < 10%
Assay Type	Sandwich ELISA
Spiking Recovery	The unspiked serum was used as blank in these experiments. The overall mean recovery was 88%.
Suitable Sample Type	Cell culture supernatant, serum
Sample Volume	50 uL
Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

Images

ELISA: IL-1 beta/IL-1F2 ELISA Kit [Biotin] [NBP1-92702] - Standard curve



Publications

Lv J, Shen X, Shen X et al. NPLC0393 from *Gynostemma pentaphyllum* ameliorates Alzheimer's disease-like pathology in mice by targeting protein phosphatase magnesium-dependent 1A phosphatase *Phytotherapy research* : PTR 2023-07-11 [PMID: 37434441] (ELISA)

Li L, Ma H, Zhang Y et al. Protocatechuic acid reverses myocardial infarction mediated by b-adrenergic agonist via regulation of Nrf2/HO-1 pathway, inflammatory, apoptotic, and fibrotic events *Journal of biochemical and molecular toxicology* 2023-01-02 [PMID: 36593721]

Li H, Yuan Y, Chen H et al. Indoleamine 2,3-dioxygenase mediates the therapeutic effects of adipose-derived stromal/stem cells in experimental periodontitis by modulating macrophages through the kynurenine-AhR-NRF2 pathway *Molecular metabolism* 2022-10-18 [PMID: 36270612] (ELISA)

Alsharif K, Albrakati A, omairi N et al. The therapeutic antischizophrenic activity of prodigiosin and selenium co-supplementation against amphetamine hydrochloride-induced behavioural changes, oxidative, inflammatory, and apoptotic challenges in rats *Research Square* 2022-06-28 [PMID: 36048389] (ELISA)

Al Omairi N, Albrakati A, Alsharif K et al. Selenium Nanoparticles with Prodigiosin Rescue Hippocampal Damage Associated with Epileptic Seizures Induced by Pentylene tetrazole in Rats *Biology* 2022-02-23 [PMID: 35336729]

Bai M, Lei J, Wang S et al. BMP1 inhibitor UK-383,367 attenuates renal fibrosis and inflammation in CKD *Am. J. Physiol. Renal Physiol.* 2019-09-23 [PMID: 31545926] (ELISA)

Abdelfattah MS, Elmallah MIY, Ebrahim HY et al. Prodigiosins from a marine sponge-associated actinomycete attenuate HCl/ethanol-induced gastric lesion via antioxidant and anti-inflammatory mechanisms *PLoS ONE* 2019-06-13 [PMID: 31194753] (ELISA, Rat)





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201-LB-005	IL-1 beta/IL-1F2 [Unconjugated]
M6000B-1	IL-6 [HRP]

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