Mouse IL-1 Beta/IL-1F2/IL1B ELISA Kit | IL-1Beta/IL-1F2/IL1B elisa kit

Mouse IL-1 Beta/IL-1F2/IL1B PicoKine Quick ELISA Kit

CATALOG #	REACTIVITY	APPLICATIONS
AAA128051	**Mouse**	**ELISA**

PRODUCT SYNONYMS

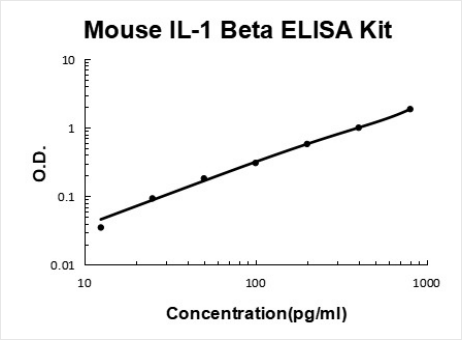
IL-1 Beta/IL-1F2/IL1B; Mouse IL-1 Beta/IL-1F2/IL1B PicoKine Quick ELISA Kit; Interleukin-1 beta; IL-1 beta; IL1B; IL-1Beta/IL-1F2/IL1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Assay Range	12.5pg/ml-800pg/ml
Sensitivity	<1pg/ml
Capture antibody and Detection antibody	polyclonal antibody from goat|polyclonal antibody from goat
Immunogen	Expression system for standard: E coli; Immunogen sequence: V118-S269
Anticoagulant	heparin or EDTA
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Applicable Applications for IL-1Beta/IL-1F2/IL1B elisa kit	ELISA
Kit Components	Description/Quantity Pre-coated 96-well strip microplate/1 Standard/2 vials, 10 ng/tube Biotinylated antibody (100x)/100ul Avidin-Biotin-Peroxidase Complex (100x)/100ul Sample Diluent/30ml Antibody Diluent/12ml Avidin-Biotin-Peroxidase Diluent/12ml Color Developing Reagent (TMB)/10ml Stop Solution/10ml Wash Buffer (25x)/20ml Adhesive plate sealers/4
Materials Required But Not Provided	Microplate Reader capable of reading absorbance at 450nm. Incubator. Automated plate washer (optional). Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions. Multichannel pipettes are recommended for large amount of samples. Deionized or distilled water. 500ml graduated cylinders. Test tubes for dilution.
Sample Data	Concentration (pg/ml)012.52550100200400800O.D.0.0300.0650.1230.2120.3360.6091.0311.898
Intra Assay Consistency & Inter Assay Consistency	Intra-Assay PrecisionInter-Assay PrecisionSample123123n161616242424Mean (pg/ml)3321148336217481Standard deviation1.7410.3334.292.1914.7535.59CV (%)5.3%4.9%7.1%6.1%6.8%7.4%

Reproducibility	LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample 133343132321.113.4%Sample 22112062032082072.911.4%Sample 348345243343044921.14.6%*number of samples for each test n=16.
Preparation and Storage	Store at 4 degree C for 6 months. (Ships with gel ice, can store for up to 3 days in room temperature. Refrigerate upon receipt.)

IMAGES



Standard Curve (Sample)
Mouse IL-1 beta PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL-1Beta/IL-1F2/IL1B elisa kit	The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays.
Product Categories/Family for IL-1Beta/IL-1F2/IL1B elisa kit	Quick ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680415
NCBI GeneID	16176
NCBI Accession #	NP_032387.1
NCBI GenBank Nucleotide #	NM_008361.3
UniProt Accession #	P10749; Q2M4J6
Molecular Weight	30,931 Da
NCBI Official Full Name	interleukin-1 beta
NCBI Official Synonym Full Names	interleukin 1 beta
NCBI Official Symbol	Il1b
NCBI Official Synonym Symbols	Il-1b; IL-1beta
NCBI Protein Information	interleukin-1 beta; IL-1 beta
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	**Il1b**
UniProt Synonym Gene Names	IL-1 beta
UniProt Entry Name	IL1B_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/il-1beta-il-1f2-il1b-mouse-elisa-kits/il-1-beta-il-1f2-il1b/128051