

Human IL-38/IL1F10 ELISA Kit | IL-38/IL1F10 elisa kit

Human IL-38/IL1F10 PicoKine ELISA Kit

CATALOG #
AAA125006

REACTIVITY
Human

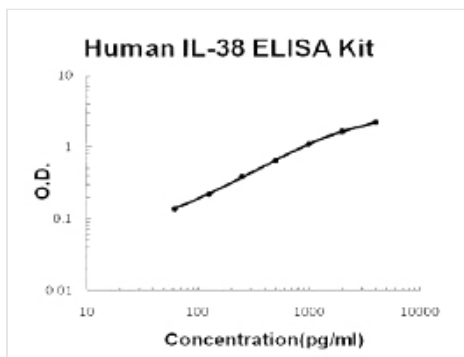
PRODUCT SYNONYMS

IL-38/IL1F10; Human IL-38/IL1F10 PicoKine ELISA Kit; Human IL-38; IL-38/IL1F10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IL1B
Sequence Length	152
Samples	Cell Culture Supernates, Serum And Plasma(Heparin, Edta, Citrate)
Detection Range	3.9pg/ml-250pg/ml
Sensitivity	<0.15pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-38/IL1F10 elisa kit	Principle of the Assay: The Picokine Human IL1B Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human IL1B with a 96-well strip plate that is pre-coated with antibody specific for IL1B. The detection antibody is a biotinylated antibody specific for IL1B. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human IL1B with immunogen: Expression system for standard: E.coli; Immunogen sequence: A117-S269. The kit is analytically validated with ready to use reagents. To measure Human IL1B, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human IL1B in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human IL1B in the sample!!Background/Introduction: Interleukin-1beta(IL-1beta) is a potent stimulator of bone resorption whose gene is mapped to 2q14, and has been implicated in the pathogenesis of high bone turnover and osteoporosis. IL-1beta, a prominent microglia-derived cytokine, caused oligodendrocyte death in coculture with astrocytes and microglia, but not in pure culture of oligodendrocytes alone. It also can cause nuclear export of a specific NCOR corepressor complex, resulting in derepression of a specific subset of nuclear factor-kappa-B(NFKB)-regulated genes. Furthermore, Microenvironmental IL-1beta and, to a lesser extent, IL-1alpha are required for in vivo angiogenesis and invasiveness of different tumor cells. Additional, the cooperation of IL-1beta and PDGFB induces contractile-to-synthetic phenotype modulation of human aortic smooth muscle cells in culture. Moreover, the association with disease may be explained by the biologic properties of IL-1beta, which is an important proinflammatory cytokine and a powerful inhibitor of gastric acid secretion.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27894307
NCBI GeneID	84639
NCBI Accession #	NP_775184.1
NCBI GenBank Nucleotide #	NM_173161.2
NCBI Official Full Name	interleukin-1 family member 10
NCBI Official Synonym Full Names	interleukin 1 family member 10
NCBI Official Symbol	IL1F10
NCBI Official Synonym Symbols	IL-38; FKSG75; IL1HY2; IL-1HY2; IL1-theta; FIL1-theta
NCBI Protein Information	interleukin-1 family member 10

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/human-elisa-kits/il-38-il1f10/125006>