

Human IL-18BP ELISA Kit | IL18BP elisa kit

Human IL-18BP PicoKine ELISA Kit

CATALOG #
AAA45909

REACTIVITY
Human

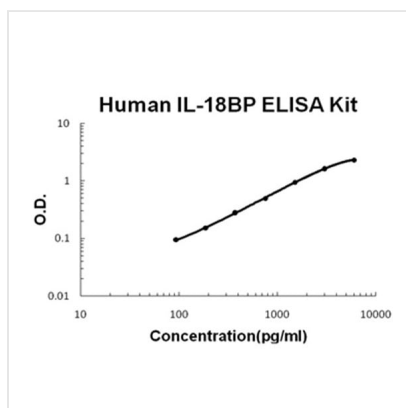
PRODUCT SYNONYMS

IL-18BP; Human IL-18BP PicoKine ELISA Kit; Interleukin-18-binding protein; interleukin 18 binding protein; I18BP_HUMAN; IL18BP; Tadekinig-alfa; IL18BP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human IL-18BP
Sequence Length	194
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and urine
Assay Type	Sandwich
Detection Range	93.7pg/ml-6000pg/ml
Sensitivity	< 10pg/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 between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human IL-18BP PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL18BP elisa kit	Principle of the assay: human IL-18BP ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IL-18BP has been precoated onto 96-well plates. Standards(NSO, T31-G194) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-18BP is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human IL-18BP amount of sample captured in plate. Background: Interleukin-18-binding protein, also known as IL18BPα, is a protein that in humans is encoded by the IL18BP gene. It is mapped to 11q13.4. The protein encoded by this gene is an inhibitor of the proinflammatory cytokine IL18. This protein binds to IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN-gamma production. This protein is constitutively expressed and secreted in mononuclear cells. The expression of this protein can be enhanced by IFN-gamma. It has been found that IL18BP expression in intestinal tissue is increased in endothelial cells as well as cells of the submucosa and overlying lymphoid aggregates in Crohn disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	251757286
NCBI GeneID	10068
UniProt Accession #	O95998; O95993; O96027; Q9NZA9; Q9UBR7; B3KUZ0; B7WPK4
Molecular Weight	17,478 Da
NCBI Official Full Name	Interleukin-18-binding protein
NCBI Official Synonym Full Names	interleukin 18 binding protein
NCBI Official Symbol	IL18BP
NCBI Official Synonym Symbols	IL18BPα
NCBI Protein Information	interleukin-18-binding protein; IL-18BP; tadekinig-alfa; MC51L-53L-54L homolog gene product
UniProt Protein Name	Interleukin-18-binding protein
UniProt Gene Name	IL18BP
UniProt Synonym Gene Names	IL-18BP
UniProt Entry Name	I18BP_HUMAN

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.