

Mouse IL36b (Interleukin-36 beta) ELISA Kit | IL36b elisa kit

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CATALOG #
AAA250628

REACTIVITY
Mouse

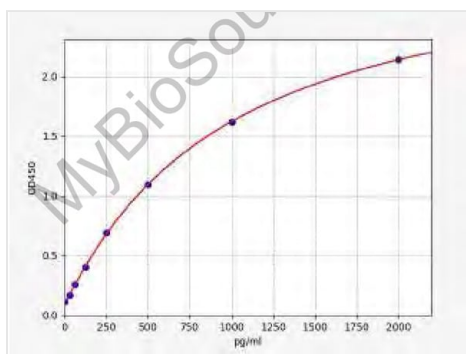
PRODUCT SYNONYMS

IL36b (Interleukin-36 beta); Mouse IL36b (Interleukin-36 beta) ELISA Kit; Interleukin-36 beta; Interleukin-1 family member 8 (IL-1F8); IL36b; IL36b elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize IL36b, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL36b elisa kit	Background: Interleukin-36 beta (IL-36beta) is a member of the interleukin-1 (IL-1) cytokine family. It plays a role in inflammatory responses and is involved in the regulation of immune reactions.IL-36beta is produced by various cell types, including epithelial cells, monocytes, dendritic cells, and T cells. It functions by binding to its receptor complex, IL-36 receptor (IL-36R), which consists of IL-36R and IL-1 receptor accessory protein (IL-1RAcP). This binding activates signaling pathways that lead to the production of pro-inflammatory cytokines and chemokines. Dysregulation of IL-36beta has been implicated in various inflammatory diseases, including psoriasis, inflammatory bowel disease (IBD), and arthritis. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti IL36b antibody was precoated onto the 96-well plate. The biotin conjugated anti IL36b antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with IL36b conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of IL36b in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118601193
NCBI GeneID	69677
NCBI Accession #	NP_081439.1
NCBI GenBank Nucleotide #	NM_027163.4
UniProt Accession #	Q9D6Z6; Q8R461
Molecular Weight	20,878 Da
NCBI Official Full Name	interleukin-36 beta
NCBI Official Synonym Full Names	interleukin 1 family, member 8
NCBI Official Symbol	IL1f8
NCBI Official Synonym Symbols	IL36b; 2310043N20Rik
NCBI Protein Information	interleukin-36 beta; IL-1F8; interleukin-1 family member 8
UniProt Protein Name	Interleukin-36 beta
UniProt Gene Name	IL36b
UniProt Synonym Gene Names	Fil1e; IL1f8; IL-1F8
UniProt Entry Name	IL36B_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.