

Mouse IL36G (Interleukin-36 gamma) ELISA Kit | IL36G elisa kit

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CATALOG #
AAA249125

REACTIVITY
Mouse

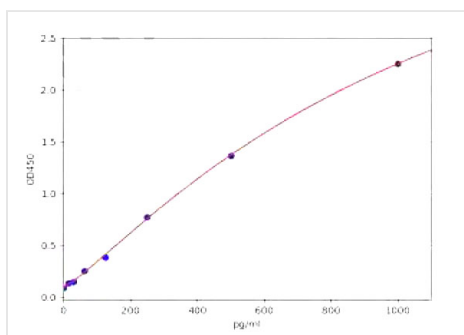
PRODUCT SYNONYMS

IL36G (Interleukin-36 gamma); Mouse IL36G (Interleukin-36 gamma) ELISA Kit; IL36G; Interleukin-36 gamma; Interleukin-1 homolog 1(IL-1H1); Interleukin-1 family member 9(IL-1F9); IL-1-related protein 2(IL-1RP2); Interleukin-1 epsilon(IL-1 epsilon); IL36G elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize IL36G, no obvious cross reaction with other analogues
Sequence Length	164
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/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 IL36G elisa kit	Background: IL-36 gamma (IL-1F9), a subform of IL-36 family, belongs to IL-1 superfamily. IL-36 gamma is expressed in peripheral blood lymphocytes, keratinocytes, bronchial epithelial cells and THP-1 cells. IL-36 gamma is upregulated in skin psoriatic lesions, inaganglionic and ganglionic areas of the colon in patients with Hirschsprung's disease, and inflamed mucosa of patients with inflammatory bowel disease (IBD). Diseases associated with IL36G also include Acute Generalized Exanthematous Pustulosis and Psoriasis. Among its related pathways are IL-1 Family Signaling Pathways and Cytokine Signaling in Immune system. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti IL36G antibody was pre-coated onto the 96-well plate. The biotin conjugated anti IL36G 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 IL36G 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 IL36G 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 #	25008588
NCBI GeneID	215257
UniProt Accession #	Q8R460
NCBI Official Full Name	Interleukin-36 gamma
NCBI Official Synonym Full Names	interleukin 1 family, member 9
NCBI Official Symbol	IL1f9
NCBI Official Synonym Symbols	IL36g
NCBI Protein Information	interleukin-36 gamma
UniProt Protein Name	Interleukin-36 gamma
UniProt Gene Name	IL36g
UniProt Synonym Gene Names	IL1f9; IL-1F9
UniProt Entry Name	IL36G_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.