

Human Interleukin 36 beta ELISA Kit | IL 36 beta/ IL 1F8/FIL 1h/IL 1H2 elisa kit

Human Interleukin 36 beta ELISA Kit

CATALOG #
AAA94858

REACTIVITY
Human

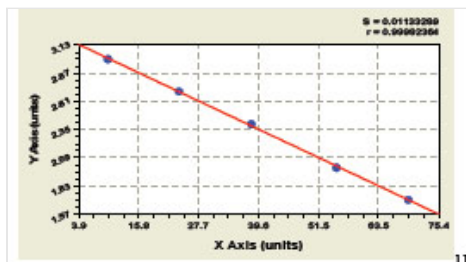
PRODUCT SYNONYMS

Interleukin 36 beta; Human Interleukin 36 beta ELISA Kit; Human Interleukin 36 b ELISA Kit; IL 36 beta/ IL 1F8/FIL 1h/IL 1H2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This IL-36beta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human IL-36beta. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL 36 beta/ IL 1F8/FIL 1h/IL 1H2 elisa kit

Principle of the Assay: IL-36beta ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IL-36beta antibody and an IL-36beta-HRP conjugate. The assay sample and buffer are incubated together with IL-36beta-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IL-36beta concentration since IL-36beta from samples and IL-36beta-HRP conjugate compete for the anti-IL-36beta antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-36beta from the sample, fewer sites are left to bind IL-36beta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-36beta concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IL 36 beta/ IL 1F8/FIL 1h/IL 1H2 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	27894313
NCBI GeneID	27177
NCBI Accession #	NP_775270.1
NCBI GenBank Nucleotide #	NM_173178.2
Molecular Weight	17,702 Da
NCBI Official Full Name	interleukin-36 beta isoform 2
NCBI Official Synonym Full Names	interleukin 36, beta
NCBI Official Symbol	IL36B
NCBI Official Synonym Symbols	FIL1; FIL1H; IL1F8; IL1H2; IL-1F8; IL-1H2; IL1-ETA; FIL1-(ETA); FILI-(ETA)
NCBI Protein Information	interleukin-36 beta; FIL1 eta; IL-1 eta; IL-1F8 (FIL1-eta); interleukin-1 eta; interleukin 1, eta; interleukin-1 homolog 2; Interleukin-1 Superfamily e; family of interleukin 1-eta; interleukin-1 family member 8; IL1F8 (Canonical product IL-1F8a); interleukin 1 family, member 8 (eta)
UniProt Protein Name	Interleukin-36 beta
UniProt Gene Name	IL36B
UniProt Synonym Gene Names	IL1F8; IL1H2; IL-1 eta; IL-1F8; IL-1H2
UniProt Entry Name	IL36B_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.

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Online datasheet: <https://stage.aaabiotech.com/il-36-beta-il-1f8-fil-1h-il-1h2-human-elisa-kits/interleukin-36-beta/94858>