

Human Interleukin-36 gamma ELISA Kit | IL1F9 elisa kit

Human Interleukin-36 gamma (IL1F9) ELISA Kit

CATALOG #
AAA55890

REACTIVITY
Human

PRODUCT SYNONYMS

Interleukin-36 gamma; Human Interleukin-36 gamma (IL1F9) ELISA Kit; IL-1F9; IL-1H1; IL-1RP2; IL1E; IL1H1; IL1RP2; IL-1 related protein 2[IL-1(EPSILON)]IL-1-epsilon[interleukin 1-related protein 2][interleukin-1 epsilon][interleukin-1 homolog 1; IL1F9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human IL1F9. No significant cross-reactivity or interference between Human IL1F9 and analogues was observed.
Sequence Length	134
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for IL1F9 elisa kit

IL1F9 encoded by this gene is a member of the interleukin 1 cytokine family. The activity of this cytokine is mediated by interleukin 1 receptor-like 2, and is specifically inhibited by interleukin 1 family, member 5 . Interferon-gamma, tumor necrosis factor-alpha and interleukin 1, beta (IL1B) are reported to stimulate the expression of this cytokine in keratinocytes. The expression of this cytokine in keratinocytes can also be induced by a contact hypersensitivity reaction or herpes simplex virus infection. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Highly expressed in tissues containing epithelial cells: skin, lung, stomach and esophagus. In skin is expressed only in keratinocytes but not in fibroblasts, endothelial cells or melanocytes. Up-regulated in lesional psoriasis skin.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate IL1F9 in samples. An antibody specific for IL1F9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL1F9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL1F9 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IL1F9 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	514388113
NCBI GeneID	56300
NCBI Accession #	NP_001265497.1
NCBI GenBank Nucleotide #	NM_001278568.1
UniProt Accession #	Q9NZH8; Q56B91; Q6UVX7; Q7RTZ9
Molecular Weight	14,928 Da
NCBI Official Full Name	interleukin-36 gamma isoform 2
NCBI Official Synonym Full Names	interleukin 36 gamma
NCBI Official Symbol	IL36G
NCBI Official Synonym Symbols	IL1E; IL1F9; IL1H1; IL-1F9; IL-1H1; IL1RP2; IL-1RP2
NCBI Protein Information	interleukin-36 gamma
UniProt Protein Name	Interleukin-36 gamma
UniProt Gene Name	IL36G
UniProt Synonym Gene Names	IL1E; IL1F9; IL1H1; IL1RP2; IL-1RP2; IL-1 epsilon; IL-1F9; IL-1H1

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://www.aaabiotech.com/il1f9-human-elisa-kits/interleukin-36-gamma/55890>