

Human IL-34/Interleukin-34 ELISA Kit | IL34 elisa kit

Human IL-34/Interleukin-34 PicoKine Quick ELISA Kit

CATALOG # AAA126837	REACTIVITY Human	APPLICATIONS ELISA
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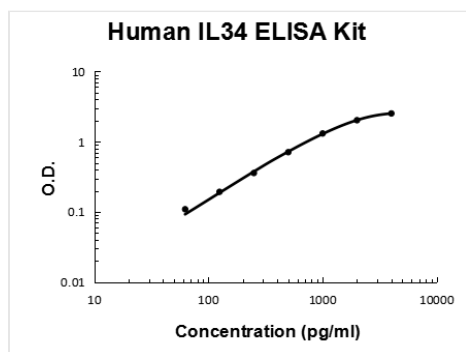
PRODUCT SYNONYMS

IL-34/Interleukin-34; Human IL-34/Interleukin-34 PicoKine Quick ELISA Kit; IL34 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IL34
Assay Type	Sandwich
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for IL34 elisa kit	ELISA
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 across 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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human IL34 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL34 elisa kit	Background: Interleukin-34, or IL-34 is a protein belonging to a group of cytokines called interleukins. It is mapped to 16q22.1. The discovery of IL-34 protein in the red pulp of the spleen suggests involvement in growth and development of myeloid cells, consistent with its activity on monocytes. IL-34 is a recently discovered cytokine that acts on tissue resident macrophages and Langerhans cells upon binding the receptor for CSF-1, CSF-1R. It also can promote the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor. In addition, it promotes the development, survival, and function of microglia and Langerhans cells, therefore, this cytokine may predominately function in brain and skin biology. Principle of the Assay: The Quick Picokine™ Human IL34 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human IL34 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Human IL34 protein as standards. To measure Human IL34, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Human IL34 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human IL34 in the sample.
Product Categories/Family for IL34 elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	289666752
NCBI GeneID	146433
NCBI Accession #	NP_001166243.1
NCBI GenBank Nucleotide #	NM_001172772.1
UniProt Accession #	Q6ZMJ4; Q8N6L2; B2RC28; B2Z4A8; B2ZC70
Molecular Weight	27,482 Da
NCBI Official Full Name	interleukin-34 isoform 1
NCBI Official Synonym Full Names	interleukin 34
NCBI Official Symbol	IL34
NCBI Official Synonym Symbols	IL-34; C16orf77
NCBI Protein Information	interleukin-34
UniProt Protein Name	Interleukin-34
UniProt Gene Name	IL34
UniProt Synonym Gene Names	C16orf77; IL-34
UniProt Entry Name	IL34_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.