

Human IL-34 ELISA Kit | IL34 elisa kit

Human IL-34 ELISA Kit

CATALOG # AAA261738	REACTIVITY Human	APPLICATIONS ELISA
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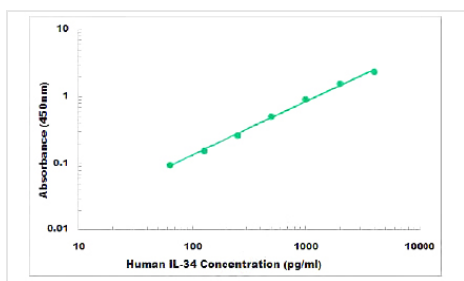
PRODUCT SYNONYMS

IL-34; Human IL-34 ELISA Kit; C16orf77; Interleukin-34; IL34 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IL-34 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-34 proteins within the range of 62.5 pg/ml - 4000 pg/ml.
Sequence Length	242
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	10 pg/ml.
Applicable Applications for IL34 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL34 elisa kit	Principle of the Assay The Human IL-34 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-34 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human IL-34 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-34 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IL-34 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IL-34 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74710540
NCBI GeneID	146433
UniProt Accession #	Q6ZMJ4; Q8N6L2; B2RC28; B2Z4A8; B2ZC70
Molecular Weight	27,354 Da
NCBI Official Full Name	Interleukin-34
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.