

Human IL-5 ELISA Kit | IL-5 elisa kit

IL-5 Human ELISA Kit

CATALOG # AAA58873	REACTIVITY Human	APPLICATIONS ELISA
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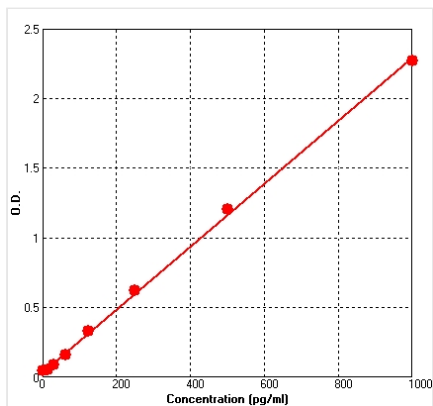
PRODUCT SYNONYMS

IL-5; IL-5 Human ELISA Kit; Human IL-5; IL-5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 2pg/ml
Applicable Applications for IL-5 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-5 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IL-5 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IL-5 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the IL-5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IL-5 can be calculated. Background: Interleukin 5 (IL-5) is an interleukin produced by T helper-2 cells and mast cells. It is a 115-amino acid-long TH2 cytokine that is part of the hematopoietic family. It is expressed by eosinophils and has been observed in the mast cells of asthmatic airways by immunohistochemistry. IL-5 expression is regulated by several transcription factors including GATA3. IL-5 is a key mediator in eosinophil activation. It has long been associated with the cause of several allergic diseases including allergic rhinitis and asthma, where in a large increase in the number of circulating, airway tissue, and induced sputum eosinophils have been observed. Given the high concordance of eosinophils and, in particular, allergic asthma pathology, it has been widely speculated that eosinophils have an important role in the pathology of this disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	54019426
NCBI GeneID	24497
NCBI Accession #	NP_068606.1
NCBI GenBank Nucleotide #	NM_021834.1
UniProt Accession #	Q08125
Molecular Weight	15,207 Da
NCBI Official Full Name	interleukin-5
NCBI Official Synonym Full Names	interleukin 5
NCBI Official Symbol	IL5
NCBI Protein Information	interleukin-5; TRF; IL-5; BCGF-II; B-cell growth factor II; T-cell replacing factor; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor; Interleukin 5 (colony-stimulating factor eosinophil); Interleukin 5 (colony-stimulating factor, eosinophil)
UniProt Protein Name	Interleukin-5
UniProt Gene Name	IL5
UniProt Synonym Gene Names	IL-5; IL-5; BCGF-II; TRF
UniProt Entry Name	IL5_RAT

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/human-elisa-kits/il-5/58873>