

Mouse IL-5 ELISA Kit | IL5 elisa kit

Mouse IL-5 PicoKine ELISA Kit

CATALOG #
AAA45220

REACTIVITY
Mouse

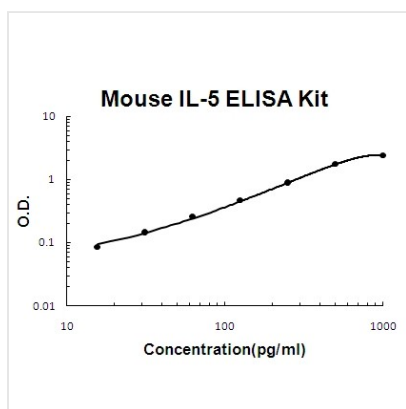
PRODUCT SYNONYMS

IL-5; Mouse IL-5 PicoKine ELISA Kit; Interleukin-5; interleukin 5; B cell differentiation factor I; B-cell differentiation factor I; Colony stimulating factor eosinophil; EDF; Eosinophil differentiation factor; IL 5; IL5; IL5_HUMAN; Interleukin 5; Interleukin 5 (colony stimulating factor eosinophil); Interleukin5; T cell replacing factor; T-cell replacing factor; TRF; IL5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse IL-5
Sequence Length	133
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 2pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse IL-5 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL5 elisa kit	Principle of the assay: mouse IL-5 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for IL-5 has been precoated onto 96-well plates. Standards(sf21,M21-G133) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-5 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 mouse IL-5 amount of sample captured in plate. Background: Interleukin-5 (IL-5) is also known as eosinophil differentiation factor (EDF). IL-5 is a potential candidate gene in the pathogenesis of asthma, as it is the main cytokine controlling eosinophil activity and eosinophils are pivotal in the development of airway inflammation.¹ The predicted amino acid sequence of 134 amino acids is identical with that recently reported for human interleukin-5 but shows no significant homology with other known hemopoietic growth regulators.² IL-5 is a lineage-specific hematopoietic growth factor that stimulates the production of eosinophils and eosinophil colonies from normal human bone marrow cells. IL-5 gene to human chromosome 5 at bands q23-31.³ Human and mouse of IL-5 share 70% amino acid sequence homology.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124342
NCBI GeneID	16191
UniProt Accession #	P04401
Molecular Weight	15,410 Da
NCBI Official Full Name	Interleukin-5
NCBI Official Synonym Full Names	interleukin 5
NCBI Official Symbol	IL5
NCBI Official Synonym Symbols	IL-5
NCBI Protein Information	interleukin-5; TRF; BCGF-II; B-cell growth factor II; T-cell replacing factor; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor
UniProt Protein Name	Interleukin-5
UniProt Gene Name	IL5
UniProt Synonym Gene Names	IL-5; IL-5; BCGF-II; TRF
UniProt Entry Name	IL5_MOUSE

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.