

Mouse IL-13 ELISA Kit | IL13 elisa kit

Mouse IL-13 PicoKine ELISA Kit

CATALOG #
AAA45285

REACTIVITY
Mouse

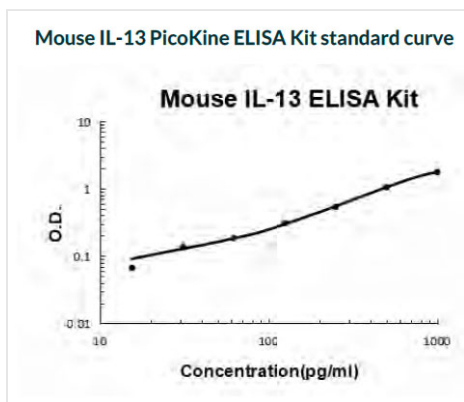
PRODUCT SYNONYMS

IL-13; Mouse IL-13 PicoKine ELISA Kit; Interleukin-13; interleukin 13; ALRH ; BHR 1; BHR1; Bronchial hyperresponsiveness 1 (bronchial asthma); IL 13; IL13; IL13_HUMAN; Interleukin 13; Interleukin13 ; MGC116786; MGC116788; MGC116789; NC30; P600; IL13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse IL13
Sequence Length	131
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<2pg/ml
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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL13 elisa kit	Background: Interleukin (IL)-13 is a major inducer of fibrosis in many chronic infectious and autoimmune diseases. Recombinant IL-13 protein inhibits inflammatory cytokine production induced by lipopolysaccharide in human peripheral blood monocytes. Moreover, it synergizes with IL-13 in regulating interferon-gamma synthesis in large granular lymphocytes. Interleukin-13 may be critical in regulating inflammatory and immune responses. IL-13 and IL-4 are two cytokines produced by T helper type 2 cells, mast cells, and basophils. In addition to their physiological roles, these cytokines are also implicated in pathological conditions such as asthma and allergy. The genes encoding human IL-4 and IL-13 are located on segment q23-31 of chromosome 5.4 Recombinant mouse IL-13 is a mixture of Ser26-Phe131 amino acids with the molecular mass of 11.5KDa. Principle of the Assay: The Picokine™ Mouse Il13 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Il13 with a 96-well strip plate that is pre-coated with antibody specific for Il13. The detection antibody is a biotinylated antibody specific for Il13. The capture antibody is monoclonal antibody from rat and the detection antibody is polyclonal antibody from goat. The kit includes Mouse Il13 protein as standards. To measure Mouse Il13, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP 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 at 450nm is linearly proportional to Mouse Il13 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 Mouse Il13 in the sample.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	129377
NCBI GeneID	16163
UniProt Accession #	P20109
Molecular Weight	14,108 Da
NCBI Official Full Name	Interleukin-13
NCBI Official Synonym Full Names	interleukin 13
NCBI Official Symbol	Il13
NCBI Official Synonym Symbols	Il-13
NCBI Protein Information	interleukin-13; T-cell activation protein P600
UniProt Protein Name	Interleukin-13
UniProt Gene Name	Il13
UniProt Synonym Gene Names	Il-13; IL-13
UniProt Entry Name	IL13_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.