

Mouse IL-31 ELISA Kit | IL31 elisa kit

Mouse IL-31 PicoKine ELISA Kit

CATALOG #
AAA11624

REACTIVITY
Mouse

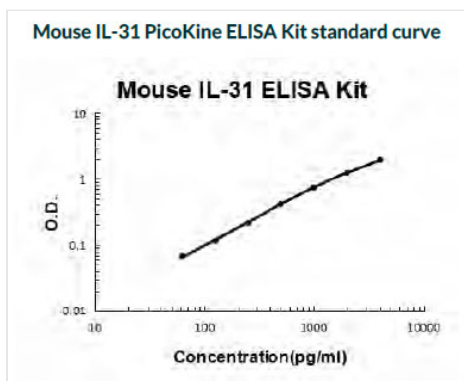
PRODUCT SYNONYMS

IL-31; Mouse IL-31 PicoKine ELISA Kit; Interleukin-31; interleukin 31; IL31; IL31_HUMAN; IL31 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse IL31
Sequence Length	163
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
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 IL31 elisa kit	Background: Interleukin-31, also known as IL-31 is a protein that in humans is encoded by the IL31 gene. The IL31 gene is mapped to chromosome 12q24.31 and the mouse gene maps to a syntenic region on chromosome 5. IL31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric receptor consisting of IL31RA and OSMR that is constitutively expressed on epithelial cells and keratinocytes. IL31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma. Principle of the Assay: The Picokine™ Mouse Il31 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Il31 with a 96-well strip plate that is pre-coated with antibody specific for Il31. The detection antibody is a biotinylated antibody specific for Il31. The capture antibody is monoclonal antibody from rat and the detection antibody is polyclonal antibody from goat. The kit includes Mouse Il31 protein as standards. To measure Mouse Il31, 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 Il31 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 Il31 in the sample.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	81863672
NCBI GeneID	76399
UniProt Accession #	Q6EAL8
Molecular Weight	18,120 Da
NCBI Official Full Name	Interleukin-31
NCBI Official Synonym Full Names	interleukin 31
NCBI Official Symbol	IL31
NCBI Official Synonym Symbols	1700013B14Rik
NCBI Protein Information	interleukin-31; IL-31
UniProt Protein Name	Interleukin-31
UniProt Gene Name	IL31
UniProt Synonym Gene Names	IL-31
UniProt Entry Name	IL31_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.