

Mouse Interleukin 31 (IL31) ELISA Kit | IL31 elisa kit

Mouse Interleukin 31 (IL31) ELISA Kit

CATALOG #
AAA20497

REACTIVITY
Mouse

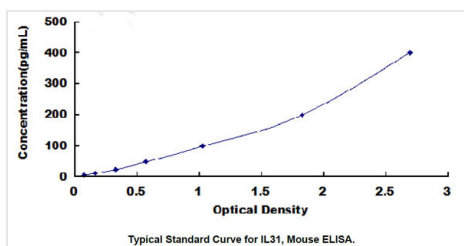
PRODUCT SYNONYMS

Interleukin 31 (IL31); Mouse Interleukin 31 (IL31) ELISA Kit; IL31 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of IL31. No significant cross-reactivity or interference between IL31 and analogues was observed.
Sequence Length	164
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	6.25-400pg/mL
Sensitivity	< 2.41pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL31 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL31 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL31 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL31. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL31. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IL31, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of IL31 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL31 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for IL31 elisa kit	Cytokine; Tumor immunity; Infection immunity; Dermatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	62122911
NCBI GeneID	386653
NCBI Accession #	NP_001014358.1
NCBI GenBank Nucleotide #	NM_001014336.1
UniProt Accession #	Q6EBC2; A2RUQ1
Molecular Weight	18,205 Da
NCBI Official Full Name	interleukin-31
NCBI Official Synonym Full Names	interleukin 31
NCBI Official Symbol	IL31
NCBI Official Synonym Symbols	IL-31
NCBI Protein Information	interleukin-31
UniProt Protein Name	Interleukin-31
UniProt Gene Name	IL31
UniProt Synonym Gene Names	IL-31
UniProt Entry Name	IL31_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.