

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

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CATALOG #
AAA216406

REACTIVITY
Mouse

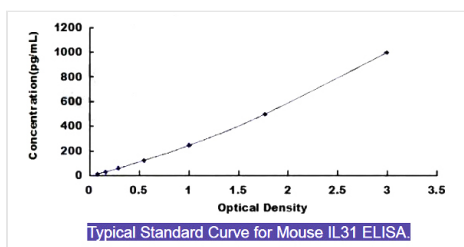
PRODUCT SYNONYMS

Interleukin 31 (IL31); Mouse Interleukin 31 (IL31) ELISA Kit; IL31 rtu 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	163
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	15.6-1000pg/mL
Sensitivity	< 6.1pg/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	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL31 rtu elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IL31. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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 the in vitro quantitative measurement of IL31 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	247301073
NCBI GeneID	76399
NCBI Accession #	NP_083870.1
NCBI GenBank Nucleotide #	NM_029594.1
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
UniProt Protein Name	Interleukin-31
UniProt Gene Name	IL31
UniProt Synonym Gene Names	IL-31

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/mouse-rtu-elisa-kits/interleukin-31-il31/216406>