

Human IL-31 ELISA Kit | IL31 elisa kit

Human IL-31 PicoKine ELISA Kit

CATALOG #
AAA45979

REACTIVITY
Human

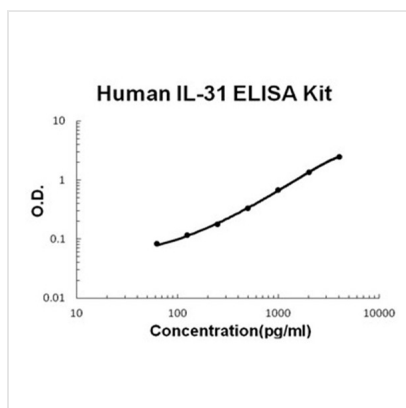
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human IL-31
Sequence Length	164
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 10pg/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 between 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)

Human IL-31 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL31 elisa kit	Principle of the assay: human IL-31 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IL-31 has been precoated onto 96-well plates. Standards(E.coli, S24-T164) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-31 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 human IL-31 amount of sample captured in plate. Background: Interleukin-31, also known as IL-31 is a protein that in humans is encoded by the IL31 gene. This gene is mapped to 12q24.31. 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. IL31 may function in skin immunity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74709232
NCBI GeneID	386653
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.

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Online datasheet: <https://stage.aaabiotech.com/il31-human-elisa-kits/il-31/45979>