

Rat Interleukin 31 ELISA Kit | IL-31 elisa kit

Rat Interleukin 31 ELISA Kit

CATALOG #
AAA86021

REACTIVITY
Rat

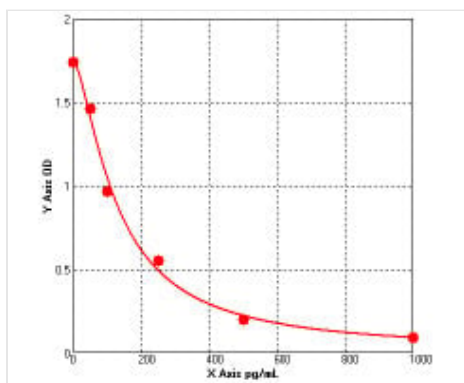
PRODUCT SYNONYMS

Interleukin 31; Rat Interleukin 31 ELISA Kit; IL-31 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-31 elisa kit

Intended Uses: This IL-31 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat IL-31. This ELISA kit for research use only!

Principle of the Assay: IL-31 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-31 antibody and an IL-31-HRP conjugate. The assay sample and buffer are incubated together with IL-31-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IL-31 concentration since IL-31 from samples and IL-31-HRP conjugate compete for the anti-IL-31 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-31 from the sample, fewer sites are left to bind IL-31-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-31 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62122911
NCBI GeneID	386653
NCBI Accession #	NP_001014358.1
NCBI GenBank Nucleotide #	NM_001014336.1
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.