

Rat Interleukin 11 Receptor Alpha (IL11Ra) ELISA Kit | IL11Ra elisa kit

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CATALOG #
AAA137284

REACTIVITY
Rat

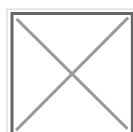
PRODUCT SYNONYMS

Interleukin 11 Receptor Alpha (IL11Ra); Rat Interleukin 11 Receptor Alpha (IL11Ra) ELISA Kit; IL11Ra elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IL11Ra. No significant cross-reactivity or interference between IL11Ra and analogues was observed.
Sequence Length	395
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL11Ra 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 IL11Ra 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 IL11Ra elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL11Ra in rat serum, plasma, tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL11Ra. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL11Ra. 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 IL11Ra, 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 IL11Ra in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IL11Ra elisa kit	Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	154147726
NCBI GeneID	100101801
NCBI Accession #	NP_001093752.1
NCBI GenBank Nucleotide #	NM_001100282.1
NCBI Official Full Name	interleukin-11 receptor subunit alpha
NCBI Official Synonym Full Names	interleukin 11 receptor, alpha
NCBI Official Symbol	il11ra
NCBI Protein Information	interleukin-11 receptor subunit alpha

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/rat-elisa-kits/interleukin-11-receptor-alpha-il11ra/137284>