

Mouse Interleukin 27 Receptor Alpha (IL27Ra) ELISA Kit | IL27Ra elisa kit

Mouse Interleukin 27 Receptor Alpha (IL27Ra)(Sandwich ELISA) ELISA Kit

CATALOG # AAA150875	REACTIVITY Mouse	APPLICATIONS ELISA
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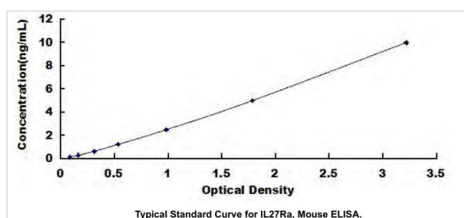
PRODUCT SYNONYMS

Interleukin 27 Receptor Alpha (IL27Ra); Mouse Interleukin 27 Receptor Alpha (IL27Ra)(Sandwich ELISA) ELISA Kit; ELISA Kit for Interleukin 27 Receptor Alpha (IL27Ra); IL27Ra/Interleukin 27 Receptor Alpha; CRL1; IL27R; TCCR; WSX1; Zcytor1; T-Cell Cytokine Receptor Type 1; Cytokine receptor-like 1; Type I T-cell cytokine receptor; IL27Ra elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of IL27Ra. No significant cross-reactivity or interference between IL27Ra and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Applicable Applications for IL27Ra elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL27Ra 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 IL27Ra were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month; -20 degree C for long-term (within shelf life) 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 IL27Ra elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL27Ra. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL27Ra. 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 IL27Ra, 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 IL27Ra 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 IL27Ra in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for IL27Ra elisa kit	Metabolic pathway; Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	170932522
NCBI GeneID	50931
NCBI Accession #	NP_057880.2
NCBI GenBank Nucleotide #	NM_016671.3
UniProt Accession #	O70394; E9QNY4
Molecular Weight	69,093 Da
NCBI Official Full Name	interleukin-27 receptor subunit alpha
NCBI Official Synonym Full Names	interleukin 27 receptor, alpha
NCBI Official Symbol	IL27ra
NCBI Official Synonym Symbols	CRL1; Tccr; Wsx1; WSX-1; IL-27R; zcytor1
NCBI Protein Information	interleukin-27 receptor subunit alpha; IL-27RA; IL-27R-alpha; IL-27R subunit alpha; T cell cytokine receptor; IL-27 receptor subunit alpha; type I T-cell cytokine receptor; cytokine receptor family, class 1 (WSXWS), member 1; T cell cytokine receptor; cyt
UniProt Protein Name	Interleukin-27 receptor subunit alpha
UniProt Gene Name	IL27ra
UniProt Synonym Gene Names	Tccr; Wsx1; IL-27 receptor subunit alpha; IL-27R subunit alpha; IL-27R-alpha; IL-27RA; TCCR
UniProt Entry Name	I27RA_MOUSE

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://www.aaabiotech.com/mouse-elisa-kits/interleukin-27-receptor-alpha-il27ra/150875>