

Human Interleukin 13 Receptor Alpha 2 (IL13Ra2) ELISA Kit | IL13Ra2 elisa kit

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CATALOG #
AAA129558

REACTIVITY
Human

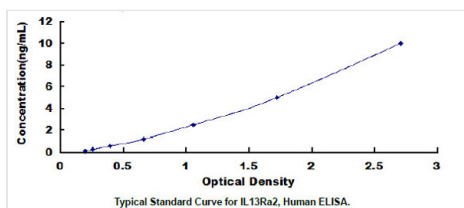
PRODUCT SYNONYMS

Interleukin 13 Receptor Alpha 2 (IL13Ra2); Human Interleukin 13 Receptor Alpha 2 (IL13Ra2) ELISA Kit; CD213A2; CD213-A2; IL13R-A2; IL13-RA2; IL13-R; IL13-BP; IL13Ra2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IL13Ra2. No significant cross-reactivity or interference between IL13Ra2 and analogues was observed.
Sequence Length	195
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.060ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL13Ra2 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 IL13Ra2 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 IL13Ra2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL13Ra2 in human 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 IL13Ra2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL13Ra2. 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 IL13Ra2, 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 IL13Ra2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IL13Ra2 elisa kit	Signal transduction; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	119623027
NCBI GeneID	3598
UniProt Accession #	Q14627; O00667; A8K7E2
Molecular Weight	44,176 Da
NCBI Official Full Name	interleukin 13 receptor, alpha 2, isoform CRA_b
NCBI Official Synonym Full Names	interleukin 13 receptor, alpha 2
NCBI Official Symbol	IL13RA2
NCBI Official Synonym Symbols	CT19; IL-13R; IL13BP; CD213A2
NCBI Protein Information	interleukin-13 receptor subunit alpha-2
UniProt Protein Name	Interleukin-13 receptor subunit alpha-2
UniProt Gene Name	IL13RA2
UniProt Synonym Gene Names	IL13R; IL-13 receptor subunit alpha-2; IL-13R subunit alpha-2; IL-13R-alpha-2; IL-13RA2
UniProt Entry Name	I13R2_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/human-elisa-kits/interleukin-13-receptor-alpha-2-il13ra2/129558>