

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

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CATALOG #
AAA184907

REACTIVITY
Mouse

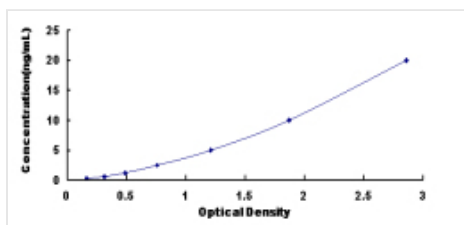
PRODUCT SYNONYMS

Interleukin 13 Receptor Alpha 2 (IL13Ra2); Mouse 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	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Interleukin 13 Receptor Alpha 2 (IL13Ra2). No significant cross-reactivity or interference between Interleukin 13 Receptor Alpha 2 (IL13Ra2) and analogues was observed.
Sequence Length	380
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.126ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Interleukin 13 Receptor Alpha 2 (IL13Ra2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Interleukin 13 Receptor Alpha 2 (IL13Ra2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Interleukin 13 Receptor Alpha 2 (IL13Ra2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Interleukin 13 Receptor Alpha 2 (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 Interleukin 13 Receptor Alpha 2 (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 Interleukin 13 Receptor Alpha 2 (IL13Ra2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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 subunit 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

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.