

Human Interleukin 10 Receptor Alpha (IL10Ra) ELISA Kit | IL10Ra elisa kit

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CATALOG #
AAA138551

REACTIVITY
Human

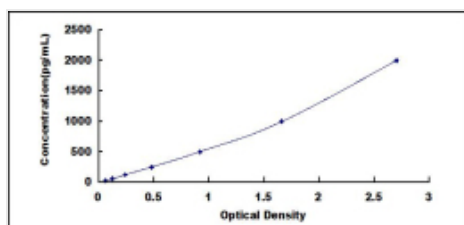
PRODUCT SYNONYMS

Interleukin 10 Receptor Alpha (IL10Ra); Human Interleukin 10 Receptor Alpha (IL10Ra) ELISA Kit; CDW210A; CD210A; IL10R-A; IL10-RA; CD210-A; HIL-10R; IL-10R1; IL10R; Cluster Of Differentiation W210A; IL10Ra elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Interleukin 10 Receptor Alpha (IL10Ra). No significant cross-reactivity or interference between Interleukin 10 Receptor Alpha (IL10Ra) and analogues was observed.
Sequence Length	578
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	11.3pg/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 10 Receptor Alpha (IL10Ra) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Interleukin 10 Receptor Alpha (IL10Ra) 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 IL10Ra 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 10 Receptor Alpha (IL10Ra). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Interleukin 10 Receptor Alpha (IL10Ra). 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 10 Receptor Alpha (IL10Ra), 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 10 Receptor Alpha (IL10Ra) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IL10Ra elisa kit	Signal transduction; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	119587747
NCBI GeneID	3587
UniProt Accession #	Q13651; A8K6I0; B0YJ27
Molecular Weight	63,003 Da
NCBI Official Full Name	interleukin 10 receptor, alpha
NCBI Official Synonym Full Names	interleukin 10 receptor, alpha
NCBI Official Symbol	IL10RA
NCBI Official Synonym Symbols	CD210; IL10R; CD210a; CDW210A; HIL-10R; IL-10R1
NCBI Protein Information	interleukin-10 receptor subunit alpha
UniProt Protein Name	Interleukin-10 receptor subunit alpha
UniProt Gene Name	IL10RA
UniProt Synonym Gene Names	IL10R; IL-10 receptor subunit alpha; IL-10R subunit alpha; IL-10RA; IL-10R subunit 1; IL-10R1
UniProt Entry Name	I10R1_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-10-receptor-alpha-il10ra/138551>