

Human Interleukin 12 Receptor Beta 1 (IL12Rb1) ELISA Kit | IL12Rb1 elisa kit

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CATALOG #
AAA67210

REACTIVITY
Human

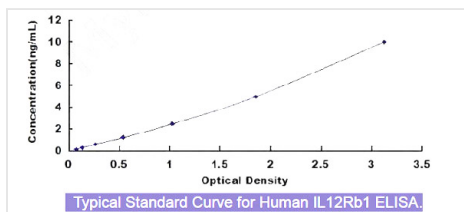
PRODUCT SYNONYMS

Interleukin 12 Receptor Beta 1 (IL12Rb1); Human Interleukin 12 Receptor Beta 1 (IL12Rb1) ELISA Kit; CD212 IL12R-B1 IL12-RB1 IL-12R-Beta1 IL12RB; IL12Rb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IL12Rb1. No significant cross-reactivity or interference between IL12Rb1 and analogues was observed.
Sequence Length	660
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.071ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL12Rb1 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 IL12Rb1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL12Rb1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of IL12Rb1 in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IL12Rb1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IL12Rb1. 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 IL12Rb1, 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 IL12Rb1 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 #	586946416
NCBI GeneID	3594
NCBI Accession #	NP_001276952.1
NCBI GenBank Nucleotide #	NM_001290023.1
UniProt Accession #	P42701; Q8N6Q7; A8K308; B2RPF1; B7ZKK3
Molecular Weight	42,366 Da
NCBI Official Full Name	interleukin-12 receptor subunit beta-1 isoform 3
NCBI Official Synonym Full Names	interleukin 12 receptor subunit beta 1
NCBI Official Symbol	IL12RB1
NCBI Official Synonym Symbols	CD212; IMD30; IL12RB; IL-12R-BETA1
NCBI Protein Information	interleukin-12 receptor subunit beta-1
UniProt Protein Name	Interleukin-12 receptor subunit beta-1
UniProt Gene Name	IL12RB1
UniProt Synonym Gene Names	IL12R; IL12RB; IL-12 receptor subunit beta-1; IL-12R subunit beta-1; IL-12R-beta-1; IL-12RB1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/interleukin-12-receptor-beta-1-il12rb1/67210>