

Human Colony Stimulating Factor 2 Receptor Beta (CSF2Rb) ELISA Kit | CSF2Rb elisa kit

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CATALOG #
AAA64648

REACTIVITY
Human

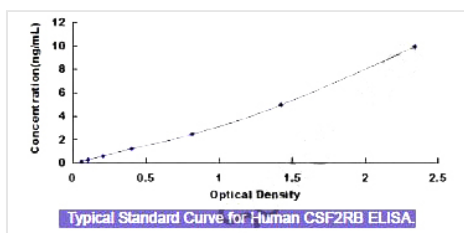
PRODUCT SYNONYMS

Colony Stimulating Factor 2 Receptor Beta (CSF2Rb); Human Colony Stimulating Factor 2 Receptor Beta (CSF2Rb) ELISA Kit; CD131; CSF2R-B; IL3-RB; IL3RB; CSF2-RB; Colony Stimulating Factor 2 Receptor; Beta; Low-Affinity(granulocyte-Macrophage); GM-CSF/IL-3/IL-5 receptor common beta subunit; CSF2Rb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CSF2RB. No significant cross-reactivity or interference between CSF2RB and analogues was observed.
Sequence Length	897
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CSF2RB 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 CSF2RB 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 CSF2Rb elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CSF2RB in human tissue homogenates, cell lysates, and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CSF2RB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CSF2RB. 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 CSF2RB, 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 CSF2RB 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 #	4559408
NCBI GeneID	1439
NCBI Accession #	NP_000386.1
NCBI GenBank Nucleotide #	NM_000395.2
UniProt Accession #	P32927; Q5JZI1; Q6ICE0
Molecular Weight	97,976 Da
NCBI Official Full Name	cytokine receptor common subunit beta
NCBI Official Synonym Full Names	colony stimulating factor 2 receptor beta common subunit
NCBI Official Symbol	CSF2RB
NCBI Official Synonym Symbols	CD131; IL3RB; IL5RB; SMDP5; CDw131
NCBI Protein Information	cytokine receptor common subunit beta
UniProt Protein Name	Cytokine receptor common subunit beta
UniProt Gene Name	CSF2RB
UniProt Synonym Gene Names	IL3RB; IL5RB

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/colony-stimulating-factor-2-receptor-beta-csf2rb/64648>