

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

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CATALOG #
AAA138019

REACTIVITY
Human

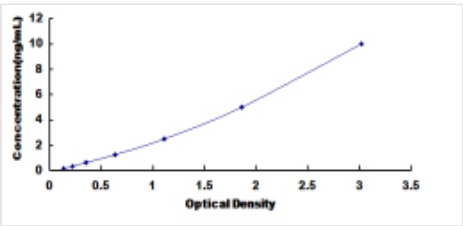
PRODUCT SYNONYMS

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 Colony Stimulating Factor 2 Receptor Beta (CSF2Rb). No significant cross-reactivity or interference between Colony Stimulating Factor 2 Receptor Beta (CSF2Rb) and analogues was observed.
Sequence Length	903
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.113ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Colony Stimulating Factor 2 Receptor Beta (CSF2Rb) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Colony Stimulating Factor 2 Receptor Beta (CSF2Rb) 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 CSF2Rb 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 Colony Stimulating Factor 2 Receptor Beta (CSF2Rb). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Colony Stimulating Factor 2 Receptor Beta (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 Colony Stimulating Factor 2 Receptor Beta (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 Colony Stimulating Factor 2 Receptor Beta (CSF2Rb) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CSF2Rb elisa kit	Signal transduction; CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	119580530
NCBI GeneID	1439
Molecular Weight	97,976 Da
NCBI Official Full Name	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage), isoform CRA_b
NCBI Official Synonym Full Names	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
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
UniProt Entry Name	IL3RB_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/colony-stimulating-factor-2-receptor-beta-csf2rb/138019>