

Human CD131 ELISA Kit | CSF2RB elisa kit

Human CD131 ELISA Kit PicoKine

CATALOG # AAA126717	REACTIVITY Human	APPLICATIONS ELISA
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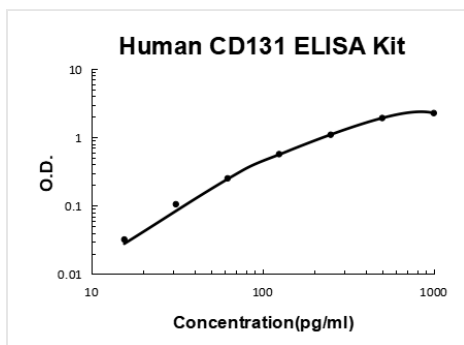
PRODUCT SYNONYMS

CD131; Human CD131 ELISA Kit PicoKine; CSF2RB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CSF2RB
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for CSF2RB elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human CD131 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CSF2RB elisa kit	Background: Cytokine receptor common subunit beta is a protein that in humans is encoded by the CSF2RB gene. It is mapped to 15 E1; 15 37.36 cM. The protein encoded by this gene is the common beta chain of the high affinity receptor for IL-3, IL-5 and CSF. Defects in this gene have been reported to be associated with protein alveolar proteinosis (PAP). Principle of the Assay: The Picokine™ Human CSF2RB Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CSF2RB with a 96-well strip plate that is pre-coated with antibody specific for CSF2RB. The detection antibody is a biotinylated antibody specific for CSF2RB. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human CSF2RB protein as standards. To measure Human CSF2RB, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human CSF2RB in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CSF2RB in the sample.
Product Categories/Family for CSF2RB elisa kit	PicoKine ELISA Kits

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	97,336 Da
NCBI Official Full Name	cytokine receptor common subunit beta
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; GM-CSF/IL-3/IL-5 receptor common beta-chain; GM-CSF/IL-3/IL-5 receptor common beta subunit; colony-stimulating factor-2 receptor, beta, low-affinity; interleukin 3 receptor/granulocyte-macrophage colony stimulating f
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.