

CD300A elisa kit

Human CD300A PicoKine ELISA Kit

CATALOG #
AAA125104

REACTIVITY
HumanThere is no detectable cross-reactivity with other relevant proteins.

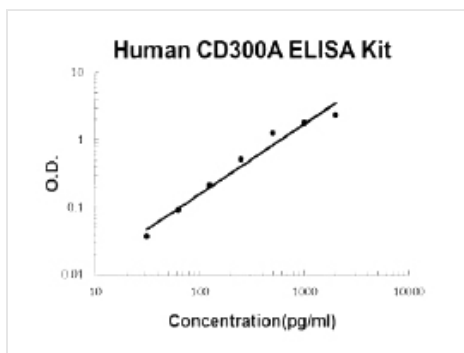
PRODUCT SYNONYMS

CD300A; Human CD300A PicoKine ELISA Kit; Human CD300A; CMRF35-like molecule 8; CLM-8; CD300 antigen-like family member A; CMRF-35-H9; CMRF35-H9; CMRF35-H; IRC1/IRC2; Immunoglobulin superfamily member 12; IgSF12; Inhibitory receptor protein 60; IRp60; NK inhibitory receptor; CD300a; CMRF35H; IGSF12; HSPC083; CD300a molecule; CD300A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human CD200
Sequence Length	186
Samples	Cell Culture Supernates, Cell Lysates, Serum And Plasma (Heparin, Edta)
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
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 accross 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD300A elisa kit	Principle of the Assay: The Picokine Human CD200 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CD200 with a 96-well strip plate that is pre-coated with antibody specific for CD200. The detection antibody is a biotinylated antibody specific for CD200. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human CD200 with immunogen: Expression system for standard: NSO; Immunogen sequence: Q31-G232. The kit is analytically validated with ready to use reagents. To measure Human CD200, 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 substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human CD200 in the sample. Read the density 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 CD200 in the sample!!Background/Introduction: OX-2 membrane glycoprotein, also known as CD200 is a human protein encoded by the CD200 gene. This gene is mapped to 3q13.2. The protein encoded by this gene is a type-1 membrane glycoprotein, which contains two immunoglobulin domains, and thus belongs to the immunoglobulin superfamily. Studies of the related genes in mouse and rat suggest that this gene may regulate myeloid cell activity and delivers an inhibitory signal for the macrophage lineage in diverse tissues. It is suggested that CD200-CD200R signaling plays a central role in macrophage fusion and osteoclast formation.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	378786683
NCBI GeneID	11314
NCBI Accession #	NP_001243770.1
NCBI GenBank Nucleotide #	NM_001256841.1
UniProt Accession #	Q9UGN4; O95100; Q9HD97; Q9P0F3; Q9UBK4; Q9UMS9; Q9UMT0; A8MW96
Molecular Weight	20,640 Da
NCBI Official Full Name	CMRF35-like molecule 8 isoform 2
NCBI Official Synonym Full Names	CD300a molecule
NCBI Official Symbol	CD300A
NCBI Official Synonym Symbols	IRC1; IRC2; CLM-8; IRp60; IGSF12; CMRF35H; CMRF-35H; CMRF35-H; CMRF35H9; CMRF35-H9; IRC1/IRC2; CMRF-35-H9
NCBI Protein Information	CMRF35-like molecule 8
UniProt Protein Name	CMRF35-like molecule 8
UniProt Gene Name	CD300A
UniProt Synonym Gene Names	CMRF35H; IGSF12; CLM-8; CMRF35-H9; IgSF12; IRp60

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.