

Human CD93/C1qR ELISA Kit | CD93/C1qR elisa kit

Human CD93/C1qR PicoKine Fast ELISA Kit

CATALOG #
AAA125367

REACTIVITY
Human

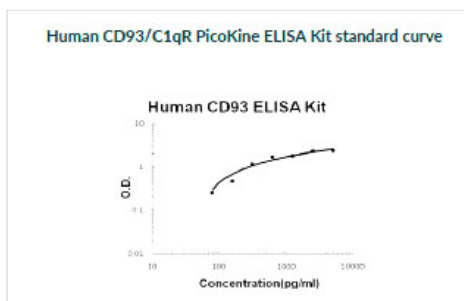
PRODUCT SYNONYMS

CD93/C1qR; Human CD93/C1qR PicoKine Fast ELISA Kit; human CD93; Complement component C1q receptor; C1q/MBL/SPA receptor; C1qR; C1qR(p); C1qRp; CDw93; Complement component 1 q subcomponent receptor 1; Matrix-remodeling-associated protein 4; CD93; C1QR1; MXRA4; CD93/C1qR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CD93
Sequence Length	652
Samples	Cell culture supernates, serum, plasma(heparin, EDTA), saliva and urine
Detection Range	78pg/ml-5000pg/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 CD93/C1qR elisa kit

Principle of the Assay: The Picokine™ Human CD93 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CD93 with a 96-well strip plate that is pre-coated with antibody specific for CD93. The detection antibody is a biotinylated antibody specific for CD93. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human CD93 with immunogen: Expression system for standard: NSO; Immunogen sequence: A24-K580. The kit is analytically validated with ready to use reagents. To measure Human CD93, 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 proportional to Human CD93 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 CD93 in the sample.!!Background/Introduction: CD93 (Cluster of Differentiation 93) is a protein that in humans is encoded by the CD93 gene. CD93 belongs to the Group XIV C-Type lectin family and is mapped to 20p11.21. The protein encoded by this gene is a cell-surface glycoprotein and type I membrane protein that was originally identified as a myeloid cell-specific marker. The encoded protein was once thought to be a receptor for C1q, but now is thought to instead be involved in intercellular adhesion and in the clearance of apoptotic cells. The intracellular cytoplasmic tail of this protein has been found to interact with moesin, a protein known to play a role in linking transmembrane proteins to the cytoskeleton and in the remodelling of the cytoskeleton. It has also showed that this receptor is a positive marker for all bone marrow-repopulating stem cells because it is expressed on both CD34-negative and CD34-positive stem cells from umbilical cord blood and adult bone marrow. In addition, highly purified lineage-negative cells with the CD93 protein not only have bone marrow-repopulating capacity but also can differentiate into human hepatocytes in vivo.

NCBI AND UNIPROT INFORMATION

NCBI GI #	88758613
NCBI GeneID	22918
NCBI Accession #	NP_036204.2
NCBI GenBank Nucleotide #	NP_036204.2
UniProt Accession #	Q9NPY3
NCBI Official Full Name	complement component C1q receptor
NCBI Official Synonym Full Names	CD93 molecule
NCBI Official Symbol	CD93
NCBI Official Synonym Symbols	C1QR1; C1qRP; CDw93; ECSM3; MXRA4; C1qR(P); dJ737E23.1
NCBI Protein Information	complement component C1q receptor
UniProt Protein Name	Complement component C1q receptor
UniProt Gene Name	CD93
UniProt Synonym Gene Names	C1QR1; MXRA4; C1qR; C1qR(p); C1qRp
UniProt Entry Name	C1QR1_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.