Human CD5L/CT 2 ELISA Kit | CD5L elisa kit

Human CD5L/CT 2 PicoKine Fast ELISA Kit

CATALOG #	REACTIVITY
AAA125373	**Human**

PRODUCT SYNONYMS

CD5L/CT 2; Human CD5L/CT 2 PicoKine Fast ELISA Kit; human CD5L; CD5 antigen-like; Apoptosis inhibitor expressed by macrophages; hAIM; CT-2; IgM-associated peptide; SP-alpha; CD5L; API6; UNQ203/PRO229; CD5L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CD5L
Sequence Length	347
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	156pg/ml-10000pg/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 CD5L elisa kit	Principle of the Assay: The Picokine™ Human CD5L Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CD5L with a 96-well strip plate that is pre-coated with antibody specific for CD5L. The detection antibody is a biotinylated antibody specific for CD5L. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human CD5L with immunogen: Expression system for standard: NSO; Immunogen sequence: S20-G347. The kit is analytically validated with ready to use reagents. To measure Human CD5L, 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 CD5L 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 CD5L in the sample.!!Background/Introduction: CD5 antigen-like, also known as Sp alpha and AIM, is a protein that in humans is encoded by the CD5L gene. It is mapped to 1q21-q23 by fluorescence in situ hybridization. It is found that Aim expression is induced in mouse macrophages in response to loading with highly oxidized low density lipoprotein (oxLDL), and that Aim is expressed in foam cells within atherosclerotic lesions. Both the expression of Aim in lesions and its induction by oxLDL require Lxr /Rxr heterodimers. Aim-null macrophages are highly susceptible to oxLDL-induced apoptosis in vitro and undergo accelerated apoptosis in atherosclerotic lesions in vivo. Double knockout of Aim and Ldlr reduce atherosclerotic lesions. Therefore, it is concluded that AIM expression protects macrophages from apoptosis within atherosclerotic lesions, promoting early lesion development.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174411
NCBI GeneID	922
NCBI Accession #	NP_005885.1
NCBI GenBank Nucleotide #	NP_005885.1
UniProt Accession #	O43866
NCBI Official Full Name	CD5 antigen-like isoform 1
NCBI Official Synonym Full Names	CD5 molecule like
NCBI Official Symbol	CD5L
NCBI Official Synonym Symbols	AIM; API6; CT-2; hAIM; PRO229; Spalpha; SP-ALPHA
NCBI Protein Information	CD5 antigen-like
UniProt Protein Name	CD5 antigen-like
UniProt Gene Name	**CD5L**
UniProt Synonym Gene Names	API6; hAIM
UniProt Entry Name	CD5L_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/cd5l-ct-2/125373