

Human CD5L PicoKine ELISA Kit | CD5L elisa kit

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CATALOG #
AAA46137

REACTIVITY
Human

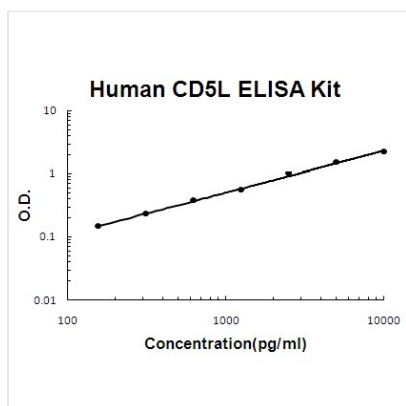
PRODUCT SYNONYMS

CD5L PicoKine; Human CD5L PicoKine ELISA Kit; CD5 antigen-like; AAC-11; AIM; API6; APOPTOSIS INHIBITOR 6; APOPTOSIS INHIBITOR OF MACROPHAGES; CD5 antigen like (scavenger receptor cysteine rich family); Cd5l; CD5L_HUMAN; CT 2; CT-2; Highly similar to ANTIGEN WC1.1 [Bos taurus]; IgM associated peptide; IgM-associated peptide; Pdp; PRO229; SCAVENGER RECEPTOR CYSTEINE-RICH FAMILY; SP ALPHA; SP-alpha; Spalpha; CD5 molecule-like; CD5L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CD5L
Sequence Length	347
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Quantitative Sandwich
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 between 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.

IMAGES



Standard Curve (Sample)

Human CD5L PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD5L elisa kit	Principle of the Assay: The human CD5L ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CD5L has been precoated onto 96-well plates. Standards (Expression system for standard: NSO, Immunogen sequence: S20-G347) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD5L is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human CD5L amount of sample captured in plate. Background: 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 1 q21-q23 by fluorescence in situ hybridization. It is found that Aim expression is induced in mouse macro phages 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 IRxr heterodimers. Aim-null macro phages 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174411
NCBI GeneID	922
NCBI Accession #	NP_005885.1
NCBI GenBank Nucleotide #	NM_005894.2
UniProt Accession #	O43866; Q6UX63; A8K7M5
Molecular Weight	38,088 Da
NCBI Official Full Name	CD5 antigen-like
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.