

Human CD5L ELISA Kit | CD5L elisa kit

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CATALOG #
AAA263031

REACTIVITY
Human

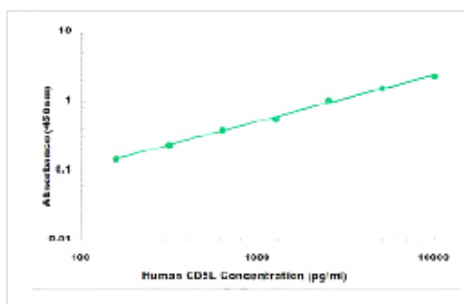
PRODUCT SYNONYMS

CD5L; Human CD5L ELISA Kit; API6; CD5 antigen-like; CT-2; IgM-associated peptide; SP-alpha; CD5L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CD5L ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD5L proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	347
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD5L elisa kit	Principle of the Assay: The Human CD5L ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD5L in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human CD5L coated on a 96-well plate. Standards and samples are pipetted into the wells and CD5L present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD5L antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD5L bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. 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 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.
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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 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://www.aaabiotech.com/human-elisa-kits/cd5l/263031>