

Mouse CD5L PicoKine ELISA Kit | Cd5l elisa kit

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CATALOG #
AAA46211

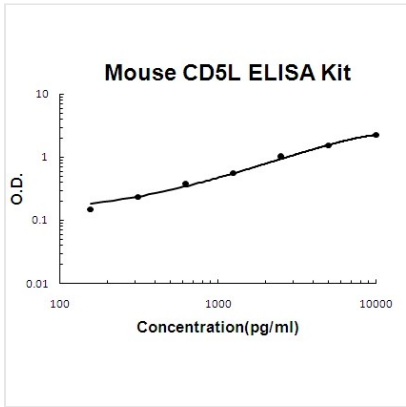
REACTIVITY
Mouse

PRODUCT SYNONYMS

CD5L PicoKine; Mouse 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	Mouse
Specificity	Natural and recombinant mouse CD5L
Sequence Length	352
Assay Range	156pg/ml-10,000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of mouse CD5L in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	NSO,E22-V352
Assay Procedure Step 1	Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 313pg/ml, 156pg/ml mouse CD5L standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each mouse CD5L standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 485 2021 8472 547 2381 8953 Standard deviation 20.37 70.74 432.07 284.44 145.24 644.62 CV(%) 4.2 3.5 5.1 5.2 6.1 7.2
Sample Data	Concentration(pg/ml) 0 156 312 625 1250 2500 5000 10,000 O.D. 0.091 0.145 0.231 0.379 0.547 1.009 1.503 2.241
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse CD5L PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Cd5l elisa kit	Principle of the assay: Mouse CD5L ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CD5L has been precoated onto 96-well plates. Standards(NSO, E22-V352) 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 mouse 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 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 #	160358823
NCBI GeneID	11801
NCBI Accession #	NP_033820.2
NCBI GenBank Nucleotide #	NM_009690.2
UniProt Accession #	Q9QWK4; O35300; O35301; Q3TXN5; Q505P6; Q91W05
Molecular Weight	38,863 Da
NCBI Official Full Name	CD5 antigen-like
NCBI Official Synonym Full Names	CD5 antigen-like
NCBI Official Symbol	Cd5l
NCBI Official Synonym Symbols	1/6; CT2; Pdp; Api6; mAIM; AAC-11; AI047839; Sp-alpha
NCBI Protein Information	CD5 antigen-like
UniProt Protein Name	CD5 antigen-like

UniProt Gene Name	Cd5l
UniProt Synonym Gene Names	; mAIM
UniProt Entry Name	CD5L_MOUSE

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/mouse-elisa-kits/cd5l-picokine/46211>