

Mouse XCL1/Lymphotactin PicoKine ELISA Kit | Xcl1 elisa kit

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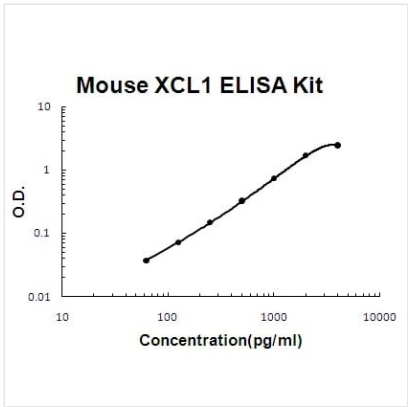
CATALOG # AAA46150	REACTIVITY Mouse
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PRODUCT SYNONYMS

XCL1/Lymphotactin PicoKine; Mouse XCL1/Lymphotactin PicoKine ELISA Kit; Lymphotactin; ATAC; C motif chemokine 1; Chemokine (C motif) ligand 1; Cytokine SCM-1; Cytokine SCM1; LPTN; LTN; Lymphotaxin; SCM 1; SCM 1 alpha; SCM-1-alpha; SCM1; SCM1 alpha; SCYC1; Small inducible cytokine C1; Small inducible cytokine subfamily C member 1; Small-inducible cytokine C1; XC chemokine ligand 1; Xcl1; XCL1_HUMAN; chemokine (C motif) ligand 1; Xcl1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse XCL1
Sequence Length	114
Assay Range	62.5pg/ml-4000pg/ml
Sensitivity	<5pg/ml
Sample	For quantitative detection of mouse XCL1 in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	E Coli, V22-G114
Assay Procedure Step 1	Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml,1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse XCL1 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 XCL1 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) 447 1253 2346 450 1238 2625 Standard deviation 28.61 53.88 115 39.15 64.38 144.4 CV(%) 6.4 4.3 4.9 8.7 5.2 5.5
Sample Data	Concentration(pg/ml) 0 62.5 125 250 500 1000 2000 4000 O.D. 0.004 0.036 0.071 0.147 0.321 0.733 1.673 2.409
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 XCL1/Lymphotactin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Xcl1 elisa kit	Principle of the assay: Mouse XCL1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for XCL1 has been precoated onto 96-well plates. Standards (E Coli, V22-G114) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for XCL1is 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 XCL1 amount of sample captured in plate. Background: Chemokine(C motif) ligand(XCL1) is a small cytokine belonging to the XC chemokine family that is also known as lymphotactin. This gene is mapped to chromosome 1q23 by FISH. The sequence of the deduced 114-amino acid protein is most homologous to the CC chemokines CCL8 and CCL3. It is found in high levels in spleen, thymus, intestine and peripheral blood leukocytes, and at lower levels in lung, prostate gland and ovary. XCL1 induces the migration of cells expressing XCR1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6678712
NCBI GeneID	16963
NCBI Accession #	NP_032536.1
NCBI GenBank Nucleotide #	NM_008510.1
UniProt Accession #	P47993
Molecular Weight	12,467 Da
NCBI Official Full Name	lymphotactin
NCBI Official Synonym Full Names	chemokine (C motif) ligand 1
NCBI Official Symbol	Xcl1
NCBI Official Synonym Symbols	LTN; ATAC; Lptn; SCM-1; Scyc1; SCM-1a; AI661682
NCBI Protein Information	lymphotactin
UniProt Protein Name	Lymphotactin
UniProt Gene Name	Xcl1
UniProt Synonym Gene Names	Lptn; Ltn; Scyc1

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/xcl1-lymphotactin-picokine/46150>