

Mouse Chemokine (C motif) ELISA Kit | Cmotif elisa kit

Mouse Chemokine (C motif) ligand (XCL1) ELISA Kit

CATALOG #
AAA189735

REACTIVITY
Mouse

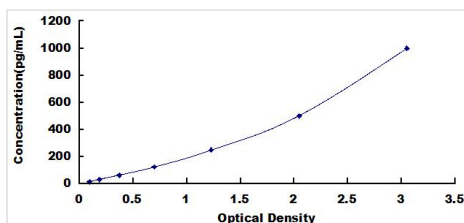
PRODUCT SYNONYMS

Chemokine (C motif); Mouse Chemokine (C motif) ligand (XCL1) ELISA Kit; Lptn; SCYC1; LTN; ATAC; SCM1-A; SCM1a; LPTN; Lymphotactin; Lymphotaxin; Chemokine C-Motif Ligand 1; Small Inducible Cytokine Subfamily C; Member 1; XC chemokine ligand 1; XCL1/Chemokine (C motif) ligand; Cmotif elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of lymphotactin. No significant cross-reactivity or interference between lymphotactin and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.2pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level lymphotactin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level lymphotactin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cmotif elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to lymphotactin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to lymphotactin. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain lymphotactin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of lymphotactin in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of lymphotactin in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for Cmotif elisa kit	Cytokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	1346472
NCBI GeneID	16963
UniProt Accession #	P47993
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
UniProt Entry Name	XCL1_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.