

Rat B-Lymphocyte Chemoattractant 1 (BLC1) ELISA Kit | BLC1 elisa kit

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CATALOG #
AAA63346

REACTIVITY
Rat

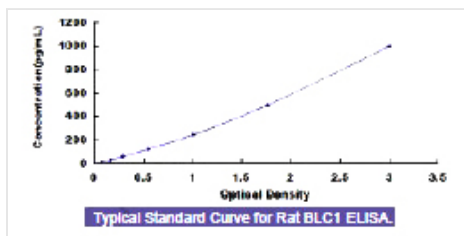
PRODUCT SYNONYMS

B-Lymphocyte Chemoattractant 1 (BLC1); Rat B-Lymphocyte Chemoattractant 1 (BLC1) ELISA Kit; CXCL13; SCYB13; BLC; BCA1; BLR1L; ANGIE; ANGIE2; Chemokine(C-X-C-Motif)ligand 13; Small Inducible Cytokine B Subfamily(Cys-X-Cys Motif)Member 13; BLC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of BLC1. No significant cross-reactivity or interference between BLC1 and analogues was observed.
Sequence Length	108
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	6.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BLC1 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 BLC1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BLC1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BLC1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BLC1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BLC1. 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 BLC1, 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 BLC1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62945344
NCBI GeneID	498335
NCBI Accession #	NP_001017496.1
NCBI GenBank Nucleotide #	NM_001017496.1
UniProt Accession #	Q5I0J6
Molecular Weight	12,041 Da
NCBI Official Full Name	C-X-C motif chemokine 13
NCBI Official Synonym Full Names	C-X-C motif chemokine ligand 13
NCBI Official Symbol	Cxcl13
NCBI Protein Information	C-X-C motif chemokine 13
UniProt Protein Name	Chemokine (C-X-C motif) ligand 13
UniProt Gene Name	Cxcl13

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/rat-elisa-kits/b-lymphocyte-chemoattractant-1-blc1/63346>