

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

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CATALOG #
AAA136542

REACTIVITY
Mouse

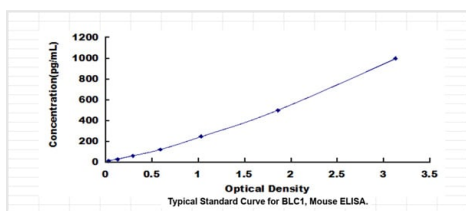
PRODUCT SYNONYMS

B-Lymphocyte Chemoattractant 1 (BLC1); Mouse 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	Mouse
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.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.3pg/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	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 BLC1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to BLC1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BLC1 in mouse serum, plasma, tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for BLC1 elisa kit	Cytokine; Tumor immunity; Infection immunity; Immune molecule; Hematology
References	IL-10 Promotes CXCL13 Expression in Macrophages Following Foot-and-Mouth Disease Virus Infection; Int J Mol Sci; 2023 Mar 28;24(7):6322.; PMID: 37047294; Zijing Guo; College of Animal Husbandry and Veterinary Medicine, Southwest Minzu University, Chengdu 610041, China.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/b-lymphocyte-chemoattractant-1-blc1/136542>