

Anti-CXCL13/BLC Picoband Antibody

Catalog # ABO12684

Product Information

Application	WB, IHC-P, E
Primary Accession	O55038
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for C-X-C motif chemokine 13(CXCL13) detection. Tested with WB, IHC-P, ELISA in Mouse.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	55985
Other Names	C-X-C motif chemokine 13, B lymphocyte chemoattractant, CXC chemokine BLC, Small-inducible cytokine B13, Cxcl13, Blc, Scyb13
Calculated MW	11927
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, By Heat ELISA , 0.1-0.5 µg/ml, Mouse, - Western blot, 0.1-0.5 µg/ml, Mouse
Subcellular Localization	Secreted.
Tissue Specificity	Found in spleen (B-cell-rich zone or follicles), Peyer patches (strongest within germinal centers and extending to the mantle zone) and lymph nodes (in reticular pattern in follicles).
Source	Eukaryota
Protein Name	C-X-C motif chemokine 13
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E. coli-derived mouse BCA1 recombinant protein (Position: I22-A109). Mouse BCA1 shares 45.3% amino acid (aa) sequence identity with human BCA1.
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Protein Information

Name	Cxcl13
Synonyms	Blc, Scyb13
Function	Strongly chemotactic for B-lymphocytes, weakly for spleen monocytes and macrophages but no chemotactic activity for granulocytes. Binds to BLR1/CXCR5. May play a role in directing the migration of B- lymphocytes to follicles in secondary lymphoid organs.
Cellular Location	Secreted.
Tissue Location	Found in spleen (B-cell-rich zone or follicles), Peyer patches (strongest within germinal centers and extending to the mantle zone) and lymph nodes (in reticular pattern in follicles)

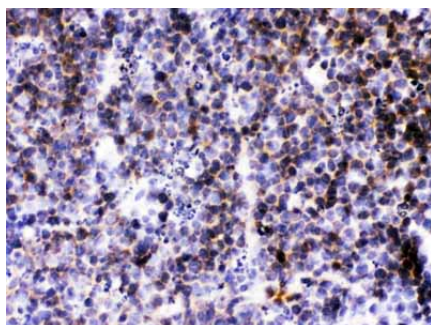
Background

C-X-C motif chemokine 13 (CXCL13), also known as B cell-attracting chemokine 1 (BCA-1), is a protein that in humans is encoded by the CXCL13 gene. CXCL13 is a small cytokine belonging to the CXC chemokine family. Its gene is mapped to human chromosome 4 in a cluster of other CXC chemokines. This protein has contained 109 amino acids. It is expressed highly in the liver, spleen, lymph nodes and gut of humans. The protein induces chemotaxis of BLR1-expressing B cells.

Images



Western blot analysis of CXCL13/BLC expression in recombinant mouse CXCL13/BLC protein 1ng (lane 1). CXCL13/BLC at 13KD was detected using rabbit anti-CXCL13/BLC Antigen Affinity purified polyclonal antibody (Catalog # ABO12684) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .



CXCL13/BLC was detected in paraffin-embedded sections of mouse lymphaden tissues using rabbit anti-CXCL13/BLC Antigen Affinity purified polyclonal antibody (Catalog # ABO12684) at 1 µg/mL. The immunohistochemical section was developed using SABC method .

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