

For Research Use Only

# Mouse CXCL13/BCA1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86564-1-PBS



## Basic Information

<b>Catalog Number:</b> 86564-1-PBS	<b>GenBank Accession Number:</b> NM_018866	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 55985	<b>CloneNo.:</b> 250336E12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O55038	
<b>Isotype:</b> IgG	<b>Full Name:</b> chemokine (C-X-C motif) ligand 13	
<b>Immunogen Catalog Number:</b> EG3331	<b>Calculated MW:</b> 12 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
mouse

## Background Information

CXCL13 (C-X-C motif chemokine 13), originally named B-lymphocyte chemoattractant (BLC) or B cell-attracting chemokine 1 (BCA-1), is a homeostatic chemokine that is constitutively secreted by stromal cells in the B-cell follicles of secondary lymphoid tissues (e.g., spleen, lymph nodes, tonsils, and Peyer's patches). It plays a crucial role in orchestrating cell migration within distinct regions of secondary lymphoid organs, strongly attracting B lymphocytes (and, to a lesser extent, T cells and macrophages) via its receptor CXCR5 (originally named Burkitt's lymphoma receptor 1, BLR1). In addition to maintaining immune cell trafficking and lymphoid follicle development, CXCL13 is implicated in inflammatory and autoimmune diseases (e.g., systemic lupus erythematosus, rheumatoid arthritis) and tumor progression (e.g., multiple myeloma).

## Storage

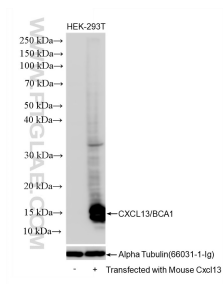
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

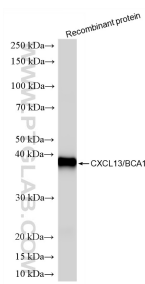
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

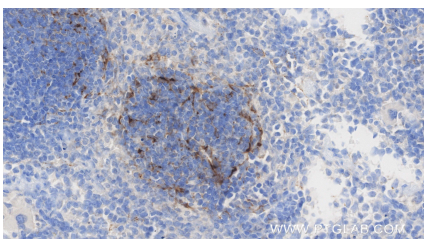
## Selected Validation Data



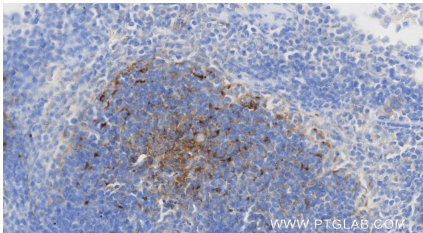
Non-transfected and Cxcl13-transfected HEK-293T cell lysates were subjected to SDS PAGE followed by western blot with 86564-1-RR (Cxcl13 antibody) at a dilution of 1:5000, incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86564-1-PBS in a different storage buffer formulation.



Mouse Cxcl13 Recombinant protein (cat no. Eg4484) were subjected to SDS PAGE followed by western blot with 86564-1-RR (Cxcl13 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86564-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 86564-1-RR (CXCL13/BCA1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86564-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 86564-1-RR (CXCL13/BCA1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86564-1-PBS in a different storage buffer formulation.