

# CXCL13/BCA1 Recombinant monoclonal antibody

Catalog Number: 86564-1-RR

## Basic Information

<b>Catalog Number:</b> 86564-1-RR	<b>GenBank Accession Number:</b> NM_018866	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 55985	<b>CloneNo.:</b> 250336E12
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> O55038	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000 IHC: 1:500-1:2000
<b>Immunogen Catalog Number:</b> EG3331	<b>Full Name:</b> chemokine (C-X-C motif) ligand 13	
	<b>Calculated MW:</b> 12 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** Transfected with Mouse Cxcl13 Transfected HEK-293T cells, Recombinant protein

**IHC:** mouse spleen tissue,

## 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:

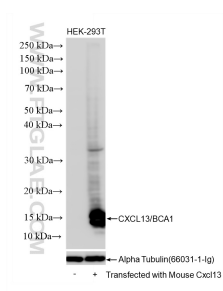
Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

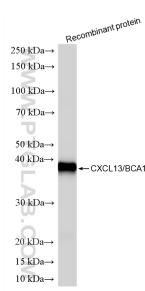
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

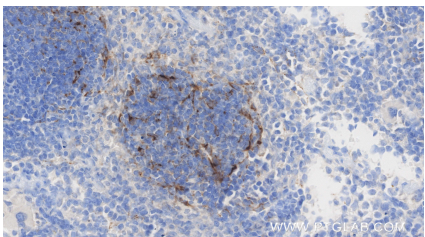
## Selected Validation Data



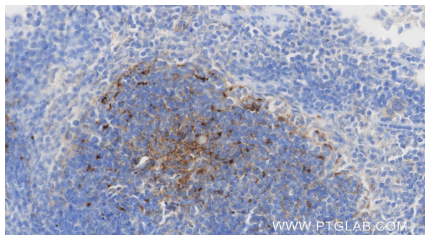
Non-transfected and Cxcl13-transfected HEK-293T cell lysates were subjected to SDS PAGE followed by western blot with 86564-1-RR (Cxcl13 antibody) at a dilution of 1:5000, incubated at room temperature for 1.5 hours.



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.



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).



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