

CXCL13/BCA1 Rabbit pAb

Catalog Number: bs-4509R

Target Protein: CXCL13/BCA1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1ug/Test)

Reactivity: Human (predicted:Dog)

Predicted MW: 10 kDa

Subcellular: Secreted

Locations:

Entrez Gene: 55985

Swiss Prot: O55038

Source: KLH conjugated synthetic peptide derived from mouse CXCL13/BCA1: 23-109/109.

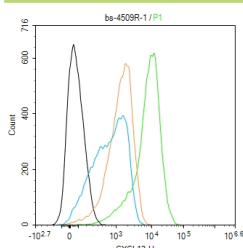
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

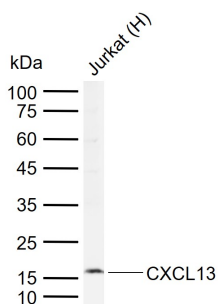
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: B lymphocyte chemoattractant, independently cloned and named Angie, is a CXC chemokine strongly expressed in the follicles of the spleen, lymph nodes, and Peyer's patches. It preferentially promotes the migration of B lymphocytes (compared to T cells and macrophages), apparently by stimulating calcium influx into, and chemotaxis of, cells expressing Burkitt's lymphoma receptor 1 (BLR1). It may therefore function in the homing of B lymphocytes to follicles.

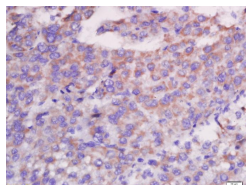
VALIDATION IMAGES



Blank control (black line) :HepG2. Primary Antibody (green line): Rabbit Anti-CXCL13 antibody (bs-4509R) Dilution:1ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Sample: Lane 1: Human Jurkat cell lysates Primary: Anti-CXCL13 (bs-4509R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 10 kDa Observed band size: 16 kDa



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with CXCL13/BCA1 Polyclonal Antibody, Unconjugated (bs-4509R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=39.235] Doloff, Joshua C., et al. "Colony stimulating factor-1 receptor is a central component of the foreign body response to biomaterial implants in rodents and non-human primates." *Nature Materials* (2017). WB ; Mouse&Monkey . 28319612

[IF=8] Pei-Zhen Han. et al. Distinct tumor microenvironment makes anaplastic thyroid cancer more lethal but immunotherapy-sensitive than papillary thyroid cancer. *JCI INSIGHT*. 2024 Mar;():173712 WB ; Mouse . 38478516

[IF=5.215] Tianrui Zhang. et al. Daphnetin Improves Neuropathic Pain by Inhibiting the Expression of Chemokines and Inflammatory Factors in the Spinal Cord and Interfering with Glial Cell Polarization. *PHARMACEUTICALS-BASE*. 2023 Feb;16(2):243 WB ; Rat . 10.3390/ph16020243

[IF=2.94] Wang, Lifang, et al. "Chemokine CXCL13 expression was up-regulated in Clostridium difficile infection." *Cytokine* 88 (2016): 232-240. WB,IHC ; ="Mouse" . 27685937

[IF=2.52] Expression of Pref-1 and Related Chemokines during the Development of Rat Mesenteric Lymph Nodes.(2018)*Biomed Environ Sci*.ul;31(7):507-514. IHC ; Rat . 30145985