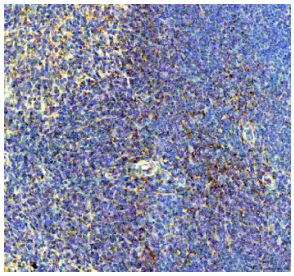
BCA1 Antibody / B cell-attracting chemokine 1 / CXCL13 (R32484)

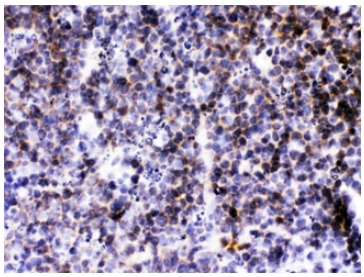
Catalog No.	Formulation	Size
R32484	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

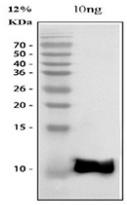
Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O55038
Localization	Cytoplasmic, secreted
Applications	Western blot: 0.5-1ug/ml (mouse protein tested) Immunohistochemistry (FFPE): 2-5ug/ml ELISA: 0.1-0.5ug/ml (mouse protein tested); request BSA-free format for coating
Limitations	This BCA1 antibody is available for research use only.



IHC staining of FFPE mouse spleen tissue with BCA1 antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC testing of FFPE mouse lymph tissue with BCA1 antibody. HIER: steam sections in pH6 citrate buffer for 20 min.



Western blot testing of mouse recombinant protein with BCA1 antibody at 0.5ug/ml.

Description

BCA1 (B cell-attracting chemokine 1, CXCL13) is a CXC chemokine that binds CXCR5 to direct B cell trafficking and compartmentalization within lymphoid tissues. It shapes germinal center organization and supports positioning of T follicular helper cells, coordinating interactions required for antibody production and humoral immune architecture. BCA1 is produced by stromal and follicular dendritic cell populations and can be detected in secondary lymphoid organs and inducible lymphoid aggregates.

Through spatial guidance cues, BCA1 contributes to lymphoid tissue patterning, immune microenvironment maintenance, and adaptive response calibration. Its expression level and distribution serve as informative readouts in studies of lymphoid organogenesis, tertiary lymphoid structures, and cellÃ¢Â€Â“cell communication within stromal niches.

The **BCA1 antibody** enables specific detection of endogenous CXCL13 in applications such as immunohistochemistry, immunofluorescence, western blot of tissue or cell lysates, and ELISA for conditioned media or biological fluids. Researchers use the BCA1 antibody from NSJ Bioreagents to quantify protein abundance, map tissue localization, and evaluate pathway modulation under defined experimental conditions. With high specificity and consistent performance, the BCA1 antibody supports rigorous investigation of chemokine biology, lymphoid architecture, and immune signaling networks.

Application Notes

Optimal dilution of the BCA1 antibody should be determined by the researcher.

Immunogen

Amino acids I22-A109 were used as the immunogen for the BCA1 antibody.

Storage

Prior to reconstitution, store at 4oC. After reconstitution, the BCA1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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