

BLCAM Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10266**Specification**

BLCAM Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	P20273
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	95348

BLCAM Antibody - Additional Information**Gene ID 933**

Application & Usage	Western blotting (0.5-4 µg/ml), immunoprecipitation (5-10 µg/ml), and Immunohistochemistry (10-20 µg/ml). However, the optimal conditions should be determined individually.
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Other Names

Cell adhesion molecules, BL-CAM , SIGLEC-2 , Siglec-2, SIGLEC2, CD22, FLJ22814 , MGC130020, Leu-14,

Target/Specificity

BLCAM

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.2 mg/ml) affinity purified rabbit anti-BLCAM polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

BLCAM Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

BLCAM Antibody - Protein Information

Name CD22 {ECO:0000303|PubMed:1691828, ECO:0000312|HGNC:HGNC:1643}

Function

Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on the same cell surface. Upon ligand induced tyrosine phosphorylation in the immune response seems to be involved in regulation of B-cell antigen receptor signaling. Plays a role in positive regulation through interaction with Src family tyrosine kinases and may also act as an inhibitory receptor by recruiting cytoplasmic phosphatases via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules.

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

B-lymphocytes.

BLCAM Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BLCAM Antibody - Images

BLCAM Antibody - Background

Cell adhesion molecules (CAMs) are a family of closely related cell surface glycoproteins involved in cell-cell interactions during growth and are thought to play an important role in embryogenesis and development. BLCAM α and BLCAM β are produced by alternative splicing of the CD22 gene and form a heterodimer that mediates B cell-B cell interactions.