

**BLCAM Blocking Peptide**  
**Catalog # PBV10151b****Specification**

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**BLCAM Blocking Peptide - Product Information**

Primary Accession	<a href="#">P20273</a>
Gene ID	933
Calculated MW	95348

**BLCAM Blocking Peptide - Additional Information****Gene ID** 933**Application & Usage**

The peptide is used for blocking the antibody activity of BLCAM. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

**Other Names**

B-cell receptor CD22, B-lymphocyte cell adhesion molecule, BL-CAM, Sialic acid-binding Ig-like lectin 2, Siglec-2, T-cell surface antigen Leu-14, CD22, CD22, SIGLEC2

**Target/Specificity**

BLCAM

**Formulation**

50 µg (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

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

**BLCAM Blocking Peptide - 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 Blocking Peptide - 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 Blocking Peptide - Images**