

CD79B Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16684c**Specification**

CD79B Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P40259](#)

CD79B Antibody (Center) Blocking Peptide - Additional Information

Gene ID 974

Other Names

B-cell antigen receptor complex-associated protein beta chain, B-cell-specific glycoprotein B29, Ig-beta, Immunoglobulin-associated B29 protein, CD79b, CD79B, B29, IGB

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CD79B Antibody (Center) Blocking Peptide - Protein Information

Name CD79B

Synonyms B29, IGB

Function

Required in cooperation with CD79A for initiation of the signal transduction cascade activated by the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Enhances phosphorylation of CD79A, possibly by recruiting kinases which phosphorylate CD79A or by recruiting proteins which bind to CD79A and protect it from dephosphorylation.

Cellular Location

Cell membrane; Single-pass type I membrane protein. Note=Following antigen binding, the BCR has been shown to translocate from detergent-soluble regions of the cell membrane to lipid rafts although signal transduction through the complex can also occur outside lipid rafts.

Tissue Location

B-cells.

CD79B Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CD79B Antibody (Center) Blocking Peptide - Images

CD79B Antibody (Center) Blocking Peptide - Background

The B lymphocyte antigen receptor is a multimeric complex that includes the antigen-specific component, surface immunoglobulin (Ig). Surface Ig non-covalently associates with two other proteins, Ig-alpha and Ig-beta, which are necessary for expression and function of the B-cell antigen receptor. This gene encodes the Ig-beta protein of the B-cell antigen component. Alternatively spliced transcript variants encoding different isoforms have been described.

CD79B Antibody (Center) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Liang, X.S., et al. Br. J. Haematol. 146(4):418-423(2009)