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CD79A Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13059b

Specification

CD79A Antibody (C-term) Blocking peptide - Product Information

Primary Accession P11912

CD79A Antibody (C-term) Blocking peptide - Additional Information

Gene ID 973

Other Names
B-cell antigen receptor complex-associated protein alpha chain, Ig-alpha, MB-1 membrane glycoprotein, Membrane-bound immunoglobulin-associated protein, Surface IgM-associated protein, CD79a, CD79A, IGA, MB1

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.

CD79A Antibody (C-term) Blocking peptide - Protein Information

Name CD79A

Synonyms IGA, MB1

Function
Required in cooperation with CD79B for initiation of the signal transduction cascade activated by binding of antigen to the B- cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells. Stimulates SYK autophosphorylation and activation. Binds to BLNK, bringing BLNK into proximity with SYK and allowing SYK to phosphorylate BLNK. Also interacts with and increases activity of some Src-family tyrosine kinases. Represses BCR signaling during development of immature B- cells.

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.

CD79A Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

CD79A Antibody (C-term) Blocking peptide - Images

CD79A Antibody (C-term) Blocking peptide - Background

The B lymphocyte antigen receptor is a multimeric complexthat includes the antigen-specific component, surfaceimmunoglobulin (Ig). Surface Ig non-covalently associates with twoother proteins, Ig-alpha and Ig-beta, which are necessary forexpression and function of the B-cell antigen receptor. This geneencodes the Ig-alpha protein of the B-cell antigen component.Alternatively spliced transcript variants encoding differentisoforms have been described.

CD79A Antibody (C-term) 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)Hoeller, S., et al. Histopathology 56(2):217-228(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Tanaka, T., et al. Pathol. Int. 59(11):804-808(2009)