



CD79a Monoclonal Antibody

Catalog No	BYmab-13913
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	CD79A
Protein Name	B-cell antigen receptor complex-associated protein alpha chain
Immunogen	The antiserum was produced against synthesized peptide derived from human CD79a. AA range:154-203
Specificity	CD79a Monoclonal Antibody detects endogenous levels of CD79a protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CD79A; IGA; MB1; B-cell antigen receptor complex-associated protein alpha chain; Ig-alpha; MB-1 membrane glycoprotein; Membrane-bound immunoglobulin-associated protein; Surface IgM-associated protein; CD antigen CD79a
Observed Band	33kD
Cell Pathway	Cell membrane; Single-pass type I membrane protein. 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 Specificity	B-cells.
Function	disease:Defects in CD79A are a cause of non-Bruton type agammaglobulinemia [MIM:601495]. Agammaglobulinemia is an immunodeficiency disease which results in developmental defects in the maturation pathway of B-cells. Two different mutations, one at the splice donor site of intron 2 and the other at the splice acceptor site for exon 3, have been identified. Both mutations give rise to a

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truncated protein.,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 SY

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-alpha protein of the B-cell antigen component. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008],

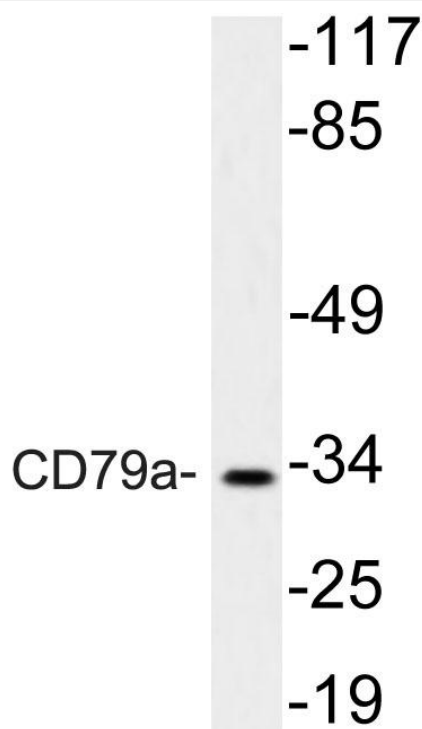
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CD79a Monoclonal Antibody