

## CD79A

**Reactivity:**Human Mouse

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:2000

**Calculated MW:**44/48kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human CD79A

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

GA;MB-1;B-cell antigen receptor complex-associated protein alpha chain antibody;

**Catalog #:**A0332

**Antibody Type:**

Monoclonal Antibody

**Species:**Mouse

**Gene ID:**973

**Isotype:**IgG

**Swiss Prot:**P11912

**Purity:**Affinity purification

For research use only.

**Background:**

CD79a (mb-1/ B lymphocyte-specific MB-1 protein) was originally identified on the basis of its restricted expression in lymphocytes of B lineage. CD79a associates with surface IgM-receptors; it has been implicated in the signal transduction pathways and in the regulation of type of type 2A-related serine/threonine phosphatases catalytic activity. A disulphide-linked heterodimer, consisting of CD79a (mb-1) and CD79b / B29 polypeptides, non-covalently associates with membrane-bound immunoglobulins on B cells to constitute the B cell Ag receptor. CD79 is 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. Stimulates SYK autophosphorylation and activation. Binds to BLNK, bringing BLNK into proximity with SYK and allowing SYK to phosphorylate BLNK. Also CD79 interacts with and increases activity of some Src-family tyrosine kinases.

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