

# CD79A monoclonal antibody, clone HM57 (APC)

Catalog # MAB4515

Size 100 Reactions

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against synthetic peptide of CD79A.
<b>Immunogen</b>	A synthetic peptide corresponding to human CD79A.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	40-45
<b>Reactivity</b>	Bovine, Chicken, Guinea pig, Horse, Human, Mouse, Opossum, Pig, Rabbit, Rat
<b>Specificity</b>	This antibody interacts with CD79a (Ig alpha), a 40-45 KDa subunit of B cell antigen-specific receptor (BCR) and its early developmental forms.
<b>Form</b>	Liquid
<b>Conjugation</b>	APC
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	Flow Cytometry (10 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.2% BSA, 0.09% sodium azide)
<b>Storage Instruction</b>	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry (Frozen sections)
- Flow Cytometry

## Gene Info — CD79A

**Entrez GeneID** [973](#)

**Gene Name** CD79A

**Gene Alias** IGA, MB-1

**Gene Description** CD79a molecule, immunoglobulin-associated alpha

**Omim ID** [112205](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** B-cell antigen receptor complex-associated protein alpha chain|CD79A antigen|CD79a antigen (immunoglobulin-associated alpha)|MB-1 membrane glycoprotein|surface IgM-associated protein

## Publication Reference

- [The B29 and mb-1 polypeptides are differentially expressed during human B cell differentiation.](#)

Mason DY, van Noesel CJ, Cordell JL, Comans-Bitter WM, Micklem K, Tse AG, van Lier RA, van Dongen JJ.  
European Journal of Immunology 1992 Oct; 22(10):2753.

- [CD79a: a novel marker for B-cell neoplasms in routinely processed tissue samples.](#)

Mason DY, Cordell JL, Brown MH, Borst J, Jones M, Pulford K, Jaffe E, Ralfkiaer E, Dallenbach F, Stein H, et al.  
Blood 1995 Aug; 86(4):1453.

- [Detection of T and B cells in many animal species using cross-reactive anti-peptide antibodies.](#)

Jones M, Cordell JL, Beyers AD, Tse AG, Mason DY.  
The Journal of Immunology 1993 Jun; 150(12):5429.

## Pathway

- [B cell receptor signaling pathway](#)
- [Primary immunodeficiency](#)

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Hodgkin Disease](#)
- [Lymphoproliferative Disorders](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)