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Datasheet

CD79A monoclonal antibody, clone HM57

Catalog Number: MAB3843

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against synthetic peptide of CD79A.

Clone Name: HM57

Immunogen: A synthetic peptide corresponding to amino acids 202-216 of human CD79A.

Host: Mouse

Theoretical MW (kDa): 40-45

Reactivity: Bovine,Chicken,Guinea pig,Horse,Human,Mouse,Opossum,Pig,Rabbit,Rat

Applications: Flow Cyt, IHC
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody interacts with CD79a (Iga), a 40-45 KDa subunit of B cell antigen-specific receptor (BCR) and its early developmental forms.

Form: Liquid

Isotype: IgG1

Recommend Usage: The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, pH 7.4 (0.09% sodium azide)

Storage Instruction: Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 973

Gene Symbol: CD79A

Gene Alias: IGA, MB-1

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]

References:

1. 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 15;86(4):1453-9.
2. 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. J Immunol. 1993 Jun 15;150(12):5429-35.
3. 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. Eur J Immunol. 1992 Oct;22(10):2753-6.