

Datasheet

Cd19 monoclonal antibody, clone 1D3

Catalog Number: MAB6499

Regulatory Status: For research use only (RUO)

Product Description: Rat monoclonal antibody raised against native Cd19.

Clone Name: 1D3

Immunogen: Native purified from mouse Cd19 transfected cell line.

Host: Rat

Theoretical MW (kDa): 95

Reactivity: Mouse

Applications: Flow Cyt, Func, IHC-Fr, IP
(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 detects mouse Cd19, 95 KDa type I transmembrane glycoprotein (immunoglobulin superfamily) expressed on B lymphocytes and follicular dendritic cells; it is lost on plasma cells.

Form: Liquid

Isotype: IgG2a

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

Storage Buffer: In PBS, pH 7.4

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

Entrez GeneID: 12478

Gene Symbol: Cd19

Gene Alias: AW495831

References:

1. The tetraspanin CD81 regulates the expression of CD19 during B cell development in a postendoplasmic reticulum compartment. Shoham T, Rajapaksa R, Boucheix C, Rubinstein E, Poe JC, Tedder TF, Levy S. *J Immunol.* 2003 Oct 15;171(8):4062-72.
2. Tyrosine phosphorylation of B-cell adaptor for phosphoinositide 3-kinase is required for Akt activation in response to CD19 engagement. Inabe K, Kurosaki T. *Blood.* 2002 Jan 15;99(2):584-9.
3. The role of the CD19/CD21 complex in B cell processing and presentation of complement-tagged antigens. Cherukuri A, Cheng PC, Pierce SK. *J Immunol.* 2001 Jul 1;167(1):163-72.