

## Datasheet

### Cd19 monoclonal antibody, clone 1D3 (PE)

**Catalog Number:** MAB6500

**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

**Conjugation:** PE

**Concentration:** 0.1 mg/mL

**Isotype:** IgG2a

**Recommend Usage:** Flow Cytometry (1 ug/mL)  
Functional Study  
Immunohistochemistry  
Immunoprecipitation  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, pH 7.4 (0.2% BSA, 0.09%

sodium azide)

**Storage Instruction:** Store at 4°C.

**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.