

Cd19 monoclonal antibody, clone 1D3 (PE)

Catalog # MAB6500

Size 100 ug

Specification

Product Description	Rat monoclonal antibody raised against native Cd19.
Immunogen	Native purified from mouse Cd19 transfected cell line.
Host	Rat
Theoretical MW (kDa)	95
Reactivity	Mouse
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.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- Functional Study
- Flow Cytometry

Gene Info — Cd19

Entrez GeneID [12478](#)

Gene Name Cd19

Gene Alias AW495831

Gene Description CD19 antigen

Gene Ontology [Hyperlink](#)

Other Designations -

Publication Reference

- [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.

The Journal of Immunology 2003 Oct; 171(8):4062.

Application: Flow Cyt, IP, Mouse, B cells

- [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; 99(2):584.

Application: Flow Cyt, IP, WB-Tr, Chicken, Mouse, B cells, DT40 cells

- [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; 167(1):163.

- [The signaling activity of murine CD19 is regulated during cell development.](#)

Krop I, Shaffer AL, Fearon DT, Schlissel MS.

Journal of Immunology 1996 Jul; 157(1):48.

- [Self-renewal of B-1 lymphocytes is dependent on CD19.](#)

Krop I, de Fougerolles AR, Hardy RR, Allison M, Schlissel MS, Fearon DT.

European Journal of Immunology 1996 Jan; 26(1):238.