

CD19 (PT0089R) PT™ Rabbit mAb (AbFluor 488)

CatalogNo: YM2222 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB, IHC, IF, IP, ELISA

MW

- 61kD (Calculated)
- 110kD (Observed)

Isotype

- IgG, Kappa

Conjugate

- AbFluor 488

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IF 1:100-500**ELISA 1:5000-20000**

Basic Information

Clonality Monoclonal**Clone Number** PT0089R

Immunogen Information

Specificity Endogenous

Target Information

Gene name CD19

Protein Name B-lymphocyte antigen CD19 (B-lymphocyte surface antigen B4) (Differentiation antigen CD19) (T-cell surface antigen Leu-12) (CD antigen CD19)

Organism	Gene ID	UniProt ID
Human	930 ;	P15391 ;
Mouse	12478 ;	P25918 ;

Cellular Localization Membranous

Tissue specificity Detected on marginal zone and germinal center B cells in lymph nodes (PubMed:2463100). Detected on blood B cells (at protein level) (PubMed:2463100, PubMed:16672701).

Function Functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens . Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores . Is not required for early steps during B cell differentiation in the blood marrow . Required for normal differentiation of B-1 cells (By similarity). Required for normal B cell differentiation and proliferation in response to antigen challenges . Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge .

Validation Data

Contact information

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CD19 (PT0089R)
PT™ Rabbit mAb
(AbFluor 488)

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