

CD19 (PTR1379) recombinant Mouse mAb

CatalogNo: YM4238 **Recombinant** 

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- Flow Cyt, ELISA

Isotype

- IgG1, Kappa

Recommended Dilution Ratios

ELISA 1:5000-100000

Flow Cyt 1-2µg/Test

Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Formulation Phosphate-buffered solution

Basic Information

Clonality Monoclonal

Clone Number PTR1379

Immunogen Information

Immunogen Purified recombinant Human CD19

Specificity This recombinant monoclonal antibody can detect endogenous levels of CD19 protein.

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 ;

Cellular Localization Cell membrane ; Single-pass type I membrane protein . Membrane raft ; Single-pass type I membrane protein .

Tissue specificity Detected on marginal zone and germinal center B cells in lymph nodes (PubMed:24631). Detected on blood B cells (at protein level) (PubMed:24631, PubMed:1667271).

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 (PTR1379)
recombinant Mouse
mAb**

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