

## 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 (Do not lower than -25°C)

**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

<b>Gene name</b>	CD19		
<b>Protein Name</b>	B-lymphocyte antigen CD19 (B-lymphocyte surface antigen B4) (Differentiation antigen CD19) (T-cell surface antigen Leu-12) (CD antigen CD19)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">941</a> ;	<a href="#">P15391</a> ;
	Mouse	<a href="#">12519</a> ;	<a href="#">Q00609</a> ;
<b>Cellular Localization</b>	Cell membrane ; Single-pass type I membrane protein . Membrane raft ; Single-pass type I membrane protein .		
<b>Tissue specificity</b>	Expressed on activated B-cells, macrophages and dendritic cells.		
<b>Function</b>	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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