

## CD79b (PT1518R) PT™ Rabbit mAb

CatalogNo: YM9360 **Recombinant** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, IP, ELISA

#### MW

- 26kD (Calculated)  
32-36kD (Observed)

#### Isotype

- IgG, Kappa

### 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

**IHC 1:200-1:1000****WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

### Basic Information

**Clonality** Monoclonal**Clone Number** PT1518R

### Immunogen Information

**Specificity** Endogenous

## Target Information

**Gene name** CD79B

**Protein Name** B-cell antigen receptor complex-associated protein beta chain

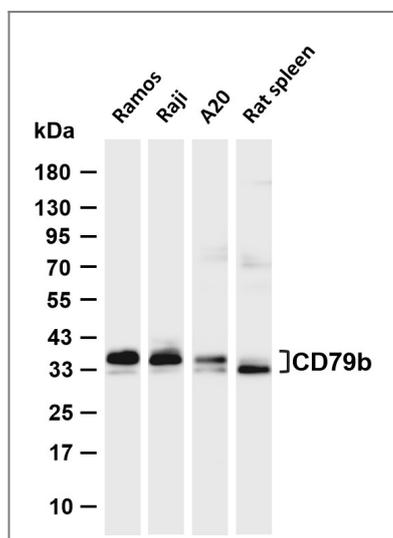
Organism	Gene ID	UniProt ID
Human	<a href="#">974;</a>	<a href="#">P40259;</a>
Mouse		<a href="#">P15530;</a>

**Cellular Localization** Cell membrane; Single-pass type I membrane protein. Following antigen binding, the BCR has been shown to translocate from detergent-soluble regions of the cell membrane to lipid rafts although signal transduction through the complex can also occur outside lipid rafts. .

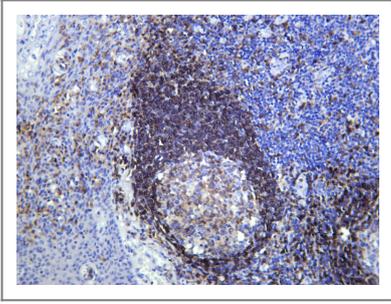
**Tissue specificity** B-cells.

**Function** Disease:Defects in CD79B are a cause of non-Bruton type agammaglobulinemia [MIM:601495]. Agammaglobulinemia is an immunodeficiency disease which results in developmental defects in the maturation pathway of B-cells.,Function:Required in cooperation with CD79A for initiation of the signal transduction cascade activated by the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Enhances phosphorylation of CD79A, possibly by recruiting kinases which phosphorylate CD79A or by recruiting proteins which bind to CD79A and protect it from dephosphorylation.,online information:CD79B mutation db,PTM:Phosphorylated on tyrosine upon B-cell activation.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,similarity:Contains 1 ITAM domain.,subcellular location:Following antigen binding, the BCR has been shown to translocate from detergent-soluble regions of the cell membrane to lipid rafts although signal transduction through the complex can also occur outside lipid rafts.,subunit:Heterodimer of alpha and beta chains; disulfide-linked. Part of the B-cell antigen receptor complex where the alpha/beta chain heterodimer is non-covalently associated with an antigen-specific membrane-bound surface immunoglobulin of two heavy chains and two light chains.,tissue specificity:B-cells.,

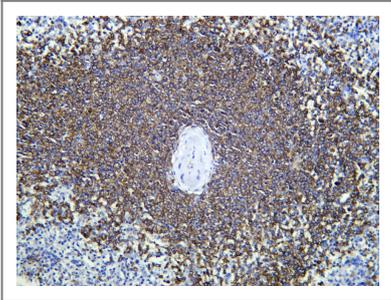
## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD79b (PT1518R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Ramos Lane 2: Raji Lane 3: A20 Lane 4: Rat spleen  
Predicted band size: 26kDa Observed band size: 32-36kDa



Human tonsil was stained with anti-CD79b (PT1518R) Rabbit antibody



Human spleen was stained with anti-CD79b (PT1518R) Rabbit antibody

## Contact information

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