

CD20 (PTR1337/065) Mouse mAb

CatalogNo: YM4814 **Recombinant** 

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse, Rat

Applications

- IHC, IF, ELISA

MW

- 33kD (Calculated)
- 33kD (Observed)

Isotype

- Mouse IgG1/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 1:200-1000**IF 1:100-500****ELISA 1:1000-5000**

Basic Information

Clonality

Monoclonal

Clone Number

PTR1337/065

Immunogen Information

Immunogen

Synthesized peptide derived from human CD20 AA range: 200-297

Specificity

This antibody detects endogenous levels of CD20.

Target Information

Gene name MS4A1 CD20

Protein Name CD20

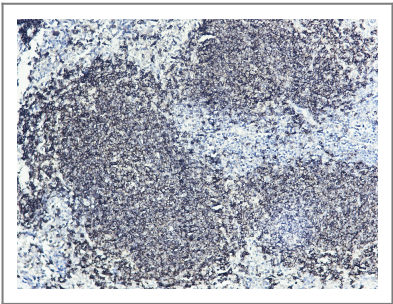
Organism	Gene ID	UniProt ID
Human	931 ;	P11836 ;
Mouse	12482 ;	P19437 ;
Rat	309217 ;	D4A4Y3 ;

Cellular Localization Membranous

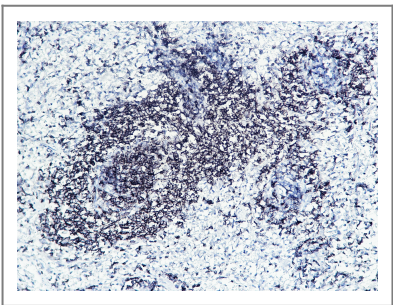
Tissue specificity Expressed on B-cells.

Function Caution:Epitope 1 , mapped in PubMed:16785532 , is predicted to be buried in the membrane. Its accessibility to the extracellular space , and thus to antibody recognition , is not explained. ,Function:This protein may be involved in the regulation of B-cell activation and proliferation. ,online information:CD20 entry ,pharmaceutical:Monoclonal antibodies (mAb) against CD20 are used to treat B-cell non-Hodgkin's lymphoma (NHL) . These antibodies include Rituximab (Mabthera) , Britumomab (Zevalin) and Tositumomab (Bexxar) . CD20 engaged by mAb can generate transmembrane signals capable of directly controlling cell growth and triggering cell death in certain tumors. Alternatively , mAb can mediate complement-dependent cytotoxicity. ,PTM:Phosphorylated. Might be functionally regulated by protein kinase (s) . ,similarity:Belongs to the MS4A family. ,tissue specificity:Expressed on B-cells. ,

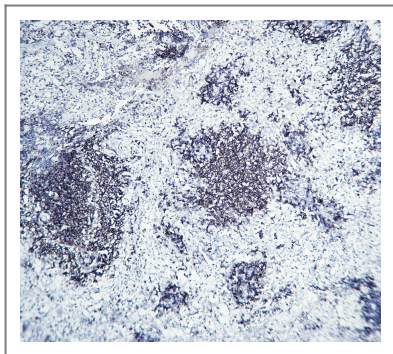
Validation Data



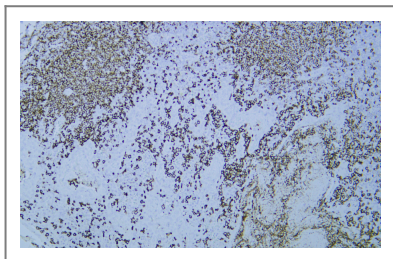
Mouse spleen tissue was stained with Anti-CD20 (PTR1337/065) Antibody



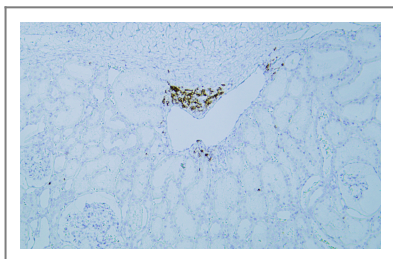
Rat spleen tissue was stained with Anti-CD20 (PTR1337/065) Antibody



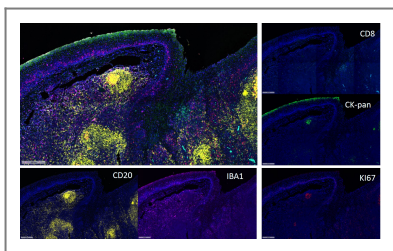
Rat spleen tissue was stained with Anti-CD20 (PTR1337/065) Antibody



Tonsil tissue was stained with Anti-CD20 (PTR1337/065) Antibody



Kidney tissue was stained with Anti-CD20 (PTR1337/065) Antibody



Fluorescence multiplex immunohistochemical analysis of Human tonsil tissue (formalin-fixed paraffin-embedded section). The immunostaining was performed by Pentuple-Fluorescence kit (RS0038, Immunoway). CK-pan mouse mAb (YM6815 Immunoway) green, Ki-67 rabbit mAb (YM7002 Immunoway) red, Iba 1 mouse mAb (YM4765 Immunoway) purple, CD8 a mouse mAb (YM4815 Immunoway) cyan, CD20 mouse mAb (YM4814 Immunoway) yellow, The section was incubated in 5 rounds of staining; sequentially for Anti-antibodies; each using a separate fluorescent tyramide signal amplification system. EDTA based antigen retrieval (Immunoway YS0004, pH 9.0, 20 minutes) was used in between rounds of tyramide signal amplification to remove the antibody from the previous round, to avoid any cross-reactivity. DAPI (dark blue) was used as a nuclear counter stain. Microscopy and pseudocoloring of individual dyes was performed using a Slideviewer Imaging System (Excilone).

Contact information

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Please scan the QR code to access additional product information:

CD20
(PTR1337/065)
Mouse mAb

