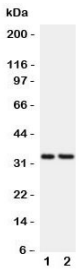
CD20 Polyclonal Antibody / MS4A1 (R31481)

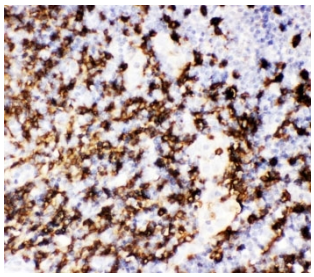
Catalog No.	Formulation	Size
R31481	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

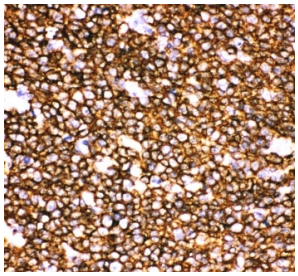
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
Gene ID	931
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml Immunofluorescence (FFPE): 1-2ug/ml Flow cytometry: 1-3ug/10^6 cells
Limitations	This CD20 Polyclonal Antibody is available for research use only.



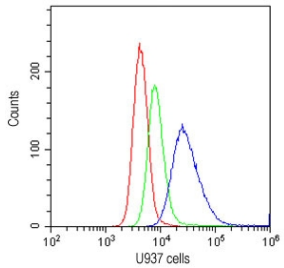
Western blot testing of CD20 Polyclonal Antibody and Lane 1: Raji; 2: CEM lysate. Expected molecular weight ~33 kDa.



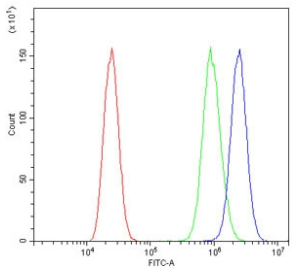
IHC staining of FFPE human tonsil with CD20 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



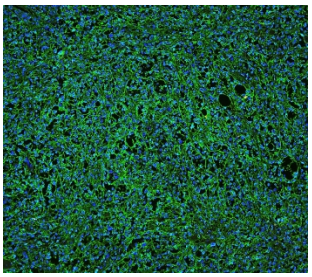
IHC staining of FFPE human tonsil with CD20 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Flow cytometry testing of human U937 cells with CD20 Polyclonal Antibody at 1ug/10^6 cells (cells blocked with goat sera); Red=cells alone, Green=isotype control, Blue=CD20 antibody.



Flow cytometry testing of human A431 cells with CD20 antibody at 1ug/10^6 cells (cells blocked with goat sera); Red=cells alone, Green=isotype control, Blue=CD20 antibody.



Immunofluorescent staining of FFPE human B lymphocytic tumor tissue with CD20 Polyclonal Antibody (green) at 1ug/ml and DAPI nuclear stain (blue). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

Description

CD20 Polyclonal Antibody detects CD20, also known as MS4A1, an activated-glycosylated phosphoprotein expressed on the surface of all B-cells beginning at the pro-B phase (CD45R+, CD117+) and progressively increasing in concentration until maturity. It is mapped to 11q12.2. This gene encodes a member of the membrane-spanning 4A gene family. The function of CD20 is to enable optimal B-cell immune response, specifically against T-independent antigens. It is suspected that CD20 acts as a calcium channel in the cell membrane. Additionally, this protein may be involved in the regulation of B-cell activation and proliferation.

For additional CD20 research, explore our CD20 Antibody rIGEL/773, a recombinant monoclonal antibody supported by

Western blot, immunohistochemistry, immunofluorescence, flow cytometry, and human protein microarray data.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD20 Polyclonal Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 1-261) was used as the immunogen for this CD20 antibody.

Storage

After reconstitution, the CD20 Polyclonal Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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