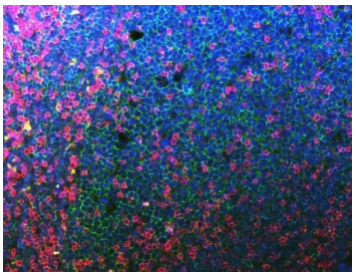
CD20 Antibody [clone 4D11] (RQ7008)

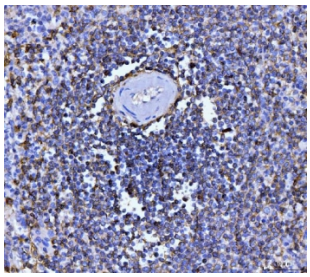
Catalog No.	Formulation	Size
RQ7008	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

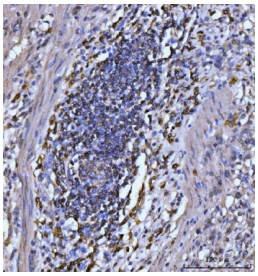
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	4D11
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P11836
Localization	Predominantly cell surface with some cytoplasmic
Applications	Western Blot : 0.5-1 ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml
Limitations	This CD20 antibody is available for research use only.



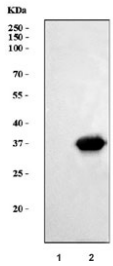
Immunofluorescent staining of FFPE human tonsil tissue with CD20 antibody (green), CD3e antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



IHC staining of FFPE human splenic rupture tissue with CD20 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human gastric carcinoma tissue with CD20 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) Jurkat and 2) Raji cell lysate with CD20 antibody. Predicted molecular weight ~33 kDa.

Description

CD20, also known as MS4A1, is 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. WhatÃ¯Â¿Â½s more, this protein may be involved in the regulation of B-cell activation and proliferation.

Application Notes

Optimal dilution of the CD20 antibody should be determined by the researcher.

Immunogen

Recombinant human CD20 protein (amino acids M1-D261) was used as the immunogen for the CD20 antibody.

Storage

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

Copyright © NSJ Bioreagents. All rights reserved.