

Anti-CD20 Antibody (9D637)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9D637
Purification:	Protein A

Applications

1. Anti-CD20 mouse monoclonal antibody at 1:1000 dilution.
 - Lane A: Raji Whole Cell lysate.
 - Lysates/proteins at 30 µg per lane.
 - Secondary
 - Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution.
 - Developed using the ECL technique.
 - Performed under reducing conditions.
 - Predicted band size:33 kDa.
 - Observed band size:36 kDa.
2. Immunochemical staining of human CD20 in human tonsil with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.
3. Immunochemical staining of human CD20 in human lymphoma with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.
4. Anti-CD20 mouse monoclonal antibody at 1:500 dilution.
 - Lane A: Raji Whole Cell Lysate.
 - Lane B: CD20 konckout Raji Whole Cell lysate.
 - Lysates/proteins at 10 µg per lane.
 - Secondary
 - Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution.
 - Developed using the ECL technique.
 - Performed under reducing conditions.
 - Predicted band size:33 kDa.
 - Observed band size:36 kDa.
5. CD20 was immunoprecipitated using:
 - Lane A:0.5 mg Raji Whole Cell Lysate.
 - 4 µL anti-CD20 mouse monoclonal antibody and 60 µg of Immunomagnetic beads Protein A/G.
 - Primary antibody:
 - Anti-CD20 mouse monoclonal antibody, at 1:100 dilution.
 - Secondary antibody:
 - Rabbit Anti-Mouse IgG F(ab)₂/HRP at 1/10000 dilution.
 - Developed using the ECL technique.
 - Performed under reducing conditions.
 - Predicted band size: 33 kDa.

Verified Activity:

A DRUG SCREENING EXPERT

Application: IHC-P,IP,WB

Recommended WB: 1:500-1:2000; IHC-P: 1:100-1:1000; IP: 1-5 µL/mg of lysate

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human CD20 / MS4A1 Protein (TMPY-02819)

Antigen Species: Human

Synonyms: MS4A1;CD20;Bp35;membrane-spanning 4-domains, subfamily A, member 1;CVID5;B1;LEU-16;S7;MS4A2

Biology Area: Cancer Drug Targets

Research Background

CD20 (membrane-spanning 4-domains, subfamily A, member 1), also known as MS4A1, is a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. CD20 / MS4A1 is expressed in all stages of B cell development except the first and last. CD20 / MS4A1 is present from pre-pre B cells through memory cells, but not on either pro-B cells or plasma cells. It is a B-lymphocyte surface molecule that plays a role in the development and differentiation of B-cells into plasma cells. CD20 / MS4A1 may be involved in the regulation of B-cell activation and proliferation. Defects in CD20 / MS4A1 are the cause of immunodeficiency common variable type 5(CVID5). CVID5 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections, and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B-cells are usually in the normal range but can be very low. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

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