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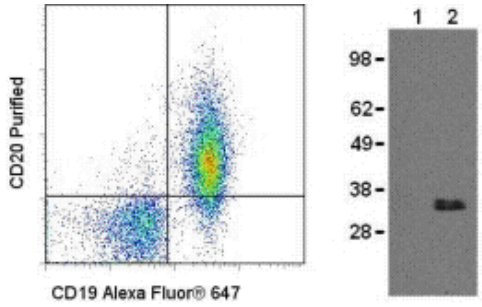
Anti-Mouse CD20 Functional Grade Purified

Catalog Number: 16-0201
RUO: For Research Use Only. Not for use in diagnostic procedures.



Left: Staining of BALB/c splenocytes with Anti-Mouse CD19 Alexa Fluor® 647and 1.0 ug Anti-Mouse CD20 Purified followed by Anti-Rat IgG PE (cat. 12-4822). Quadrant lines represent Rat IgG2a isotype control staining levels and cells in the lymphocyte gate were used for analysis. Right: Immunoblot of Balb/c thymus (lane 1) and A20 (lane 2) cell lysates with Anti-Mouse CD20 Purified.

Product Information

Contents: Anti-Mouse CD20 Functional Grade Purified
REF Catalog Number: 16-0201
Clone: AISB12
Concentration: 1 mg/mL
Host/Isotype: Rat IgG2a
Handling Conditions: Use in sterile environment.
Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial

Description

The AISB12 monoclonal antibody reacts with mouse CD20. CD20 is a B cell-specific 32kDa membrane protein involved in intracellular calcium regulation. CD20 expression begins after the induction of CD19 during development, and is coexpressed with IgM during the pre-B to immature B cell transition in bone marrow. Expression then increases during maturation with almost all mature cells expressing some level of CD20. The human CD20 antigen has proven to be an effective immunotherapeutic target in B cell lymphoma and several autoimmune diseases including rheumatoid arthritis and type I diabetes. CD20 consists of 4 transmembrane domains and a 44 amino acid extracellular loop domain where AISB12 binds.

Applications Reported

This AISB12 antibody has been reported for use in flow cytometric analysis, western blotting and functional assays.

Applications Tested

This AISB12 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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