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36-3544: Anti-CD20 / MS4A1 (B-Cell Marker) Monoclonal Antibody(Clone: 93-1B3)

Clonality :	Monoclonal
Clone Name :	93-1B3
Application :	Functional Assay,FACS,IF
Reactivity :	Human
Gene :	MS4A1
Gene ID :	931
Uniprot ID :	P11836
Alternative Name :	APY; ATOPY; B-lymphocyte antigen CD20; B-lymphocyte cell-surface antigen B1; Bp35; Fc epsilon receptor I beta chain; Fc Fragment of IgE high affinity I receptor for beta polypeptide; FCER1B; High affinity immunoglobulin epsilon receptor subunit beta; IgE Fc receptor subunit beta; IGEL; IGER; IGHER; LEU16; Leukocyte surface antigen Leu-16; Ly44; Membrane spanning 4 domains subfamily A member 2; Membrane-spanning 4-domains subfamily A member 1 (MS4A1)
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Stimulated human leukocytes

Description

Recognizes a protein of 30-33kDa, which is identified as CD20 (Workshop V; Code CD20.4). It is a non-Ig differentiation antigen of B-cells and its expression is restricted to normal and neoplastic B-cells, being absent from all other leukocytes and tissues. CD20 is expressed by pre B-cells and persists during all stages of B-cell maturation but is lost upon terminal differentiation into plasma cells. The protein passes throÂµgh the membrane 4 times with both ends in cytoplasm and exposes one short and one longer loop to the external environment. CD20 is not glycosylated in resting B-cells and its cytoplasmic domains are differentially phosphorylated upon activation. It acts as calcium channel involved in B cell activation and cell cycle progression.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Functional Studies (Order Ab without BSA & Azide); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

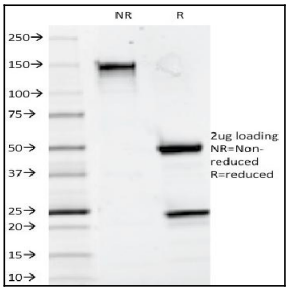

Fig. 1: SDS-PAGE Analysis Purified CD20 Mouse Monoclonal Antibody (93-1B3). Confirmation of Integrity and Purity of Antibody.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.