

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

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

Monoclonal Clonality: 93-1B3 Clone Name:

Application: Functional Assay, FACS, IF

Reactivity: Human Gene: MS4A1 Gene ID: 931 **Uniprot ID:** P11836

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;

Alternative Name: 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-lg 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 through 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: $20 \mu g / 100 \mu g$

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with Content:

0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is Storage condition:

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);

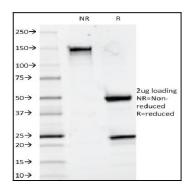


Fig. 1: SDS-PAGE Analysis Purified CD20 Mouse Monoclonal Antibody (93-1B3). Confirmation of Integrity and Purity of Antibody.