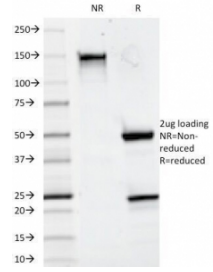
CD20 Antibody [clone 93-1B3] (V2393)

Catalog No.	Formulation	Size
V2393-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2393-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2393SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (6)

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	93-1B3
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P11836
Localization	Predominantly cell surface with some cytoplasmic
Applications	Functional Studies (order BSA/sodium Azide-free Format) : Flow Cytometry : 0.5-1ug/10^6 cells Immunofluorescence : 0.5-1ug/ml
Limitations	This CD20 antibody is available for research use only.



SDS-PAGE Analysis of Purified, BSA-Free CD20 Antibody (clone 93-1B3). Confirmation of Integrity and Purity of the Antibody.

Description

This antibody recognizes a protein of 33-37kDa, identified as CD20 (Workshop V; Code CD20.12). The antibody recognizes the extracellular domain of the protein. The epitope is similar to or identical to that recognized by other CD20 antibodies including Leu-16 and B1. This antibody can be used for immunophenotyping of leukemia and malignant cells, B lymphocyte detection in peripheral blood, Bcell localization in tissues and B lymphocyte purification by immunosorbent methods. CD20 is a non-Ig differentiation antigen of Bcells and its expression is restricted to normal and neoplastic Bcells, being absent from all other leukocytes and tissues. It is expressed by pre Bcells and persists during all stages of Bcell maturation but is lost upon terminal differentiation into plasma cells. 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 Bcells and its cytoplasmic domains are differentially phosphorylated upon activation. It acts as a calcium channel involved in Bcell activation and cell cycle progression.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD20 antibody to be titered up or down for optimal performance.

Immunogen

Stimulated human leukocytes were used as the immunogen for this CD20 antibody.

Storage

CD20 antibody with azide can be stored at 2-8oC. The azide-free format should be aliquoted and stored at -20oC or colder.

References (4)