CD20 Antibody [clone B9E9] (V2048)

Catalog No.	Formulation	Size
V2048-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2048-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2048SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (5)

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	B9E9
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	931
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.

Description

This antibody recognizes a protein of 33-37kDa, identified as CD20 (Workshop V; Code CD20.12). The antibody recognizes the extracellular domain of CD20. 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

The lymphoblastoid cell line Daudi was used as the immunogen for this CD20 antibody.

Storage

Store the CD20 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (4)

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