CD20 Antibody B9E9 PE Conjugate / Mouse Monoclonal [clone B9E9] (V2048PE)

Catalog No.	Formulation	Size
V2048PE-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

Citations (5)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human. Other species not known.
Format	PE Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	B9E9
Purity	Protein G affinity chromatography
Gene ID	931 (Human)
Localization	Predominantly cell surface with some cytoplasmic
Applications	Flow Cytometry: 5ul per test per one million cells in 0.1ml (or 5ul per 100ul of whole blood) Immunofluorescence (1:50-1:100)
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, B cell localization in tissues and B lymphocyte purification by immunosorbent methods. CD20 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. 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 a calcium channel involved in B-cell activation and cell cycle progression.

For additional CD20 research, explore our CD20 Antibody rIGEL/773, a recombinant monoclonal antibody supported by Western blot, immunohistochemistry, immunofluorescence, flow cytometry, and human protein microarray data.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the 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 2-8Ã¯Â¿Â½C. The conjugate is light-sensitive, protect from light.

References (4)

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