Anti-CD20 Antibody [B9E9] (PE) (A251159)

Specifications:

Name:	Anti-CD20 Antibody [B9E9] (PE)
Description:	Mouse monoclonal [B9E9] antibody to CD20 (PE).
Specificity:	This antibody recognizes a protein of 33-37kDa, identified as CD20 (Workshop V; Code CD20.12). B9E9 This antibody recognizes extracellular domain of CD20. The epitope is similar to or identical to that recognized by other CD20 antibodies including Leu-16 and B1. This MAb 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.
Applications:	Flow Cytometry, IF
Recommended Dilutions:	Flow Cytometry: 5 µl / million cells or 5 µl / 100 µl whole blood, IF: 1:50-1:100
Reactivity:	Human
Immunogen:	Lymphoblastoid cell line Daudi.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	B9E9
Isotype:	IgG2a
Light Chains:	kappa
Conjugate:	PE
Purification:	Protein A/G chromatography.
Concentration:	100 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.

Anti-CD20 Antibody [B9E9] (PE) (A251159)

Specifications continued:

Storage:	Store at 4-8°C. Antibody is stable for 24 months.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.