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Antibody to Human CD20
RECOMBINANT MONOCLONAL

Catalog Number: AB-415
Quantity: 50 micrograms, 500 micrograms, 1 milligram
Format: Sterile-filtered white lyophilized (freeze-dried) powder
Host: CHO

Background:

CD20 is a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and non-lymphoid tissues. CD20 plays a role in the development and differentiation of B-cells into plasma cells. CD20 is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein.

Specificity and Preparation:

Recombinant Anti-Human CD20 monoclonal antibody produced in CHO is a glycosylated polypeptide chain having a molecular mass of 80 kDa. This antibody was cloned from mouse. CD20 is purified by proprietary chromatographic techniques. Purity is greater than 95.0% as determined by RP-HPLC and SDS-PAGE gel. The antibody is lyophilized from a 0.2- μ m filtered concentrated (1mg/ml) solution in PBS, pH 7.4. It is fully biologically active when compared to standard determined by the apoptosis assay of Raji cell *in vitro*.

Usage and Storage:

It is recommended to reconstitute the lyophilized antibody in sterile 18M Ω -cm H₂O at not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions. Although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution store at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

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