



Mouse Anti-Mouse CD20 Monoclonal Antibody, clone 18B12 [Functional Grade] (CABT-Z488M)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG1 format.

Immunogen CD20-transfected cell lines and CD20-peptide-keyhole limpet hemocyanin conjugate.

Isotype IgG2a, κ

Source/Host Mouse

Species Reactivity Mouse

Clone 18B12

Purification Protein A purified

Conjugate Functional Grade

Applications Depletion, FC, FA, WB, IF

Format Liquid

Concentration Lot specific

Size 5 mg

Buffer PBS only. Endotoxin Level<0.5 EU/mg by the LAL method.

Preservative None

Storage Store at -20°C long term. Avoid freeze / thaw cycle. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions.

Ship

Wet ice

BACKGROUND

Introduction

CD20 is a cell surface 33-37 (depending on the degree of phosphorylation) kDa non-glycosylated surface phosphoprotein expressed on mature and most malignant B cells, but not stem cells or plasma cells. Low number of the CD20 has been also detected on a subpopulation of T lymphocytes and it can be expressed on follicular dendritic cells. Its expression on B cells is synchronous with the expression of surface IgM. CD20 regulates transmembrane calcium conductance (probably functioning as a component of store-operated calcium channel), cell cycle progression and B-cell proliferation. CD20 serves as a useful target for antibody-mediated therapeutic depletion of B cells, as it is expressed at high levels on most B-cell malignancies, but does not become internalized or shed from the plasma membrane following mAb treatment.

Keywords

MS4A1;B1;Bp35;CD20;CVID5;LEU-16

GENE INFORMATION

Gene Name Ms4a1

Entrez Gene ID [12482](#)

UniProt ID [P19437](#)
