

MS4A1

Mouse Anti-Human CD20 (Clone MEM-97) mAb

Catalog No.	MON1111	Quantity:	100 µg
Alternate Names:	B-lymphocyte antigen CD20, B-lymphocyte surface antigen B1, Bp35, Leukocyte surface antigen Leu-16, Membrane-spanning 4-domains subfamily A member 1		
Description:	MON1111 recognizes CD20, 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 Bcell proliferation. It is associated with lipid rafts, but the intensity of this association depends on extracellular triggering, employing CD20 conformational change and/or BCR (B cell antigen receptor) aggregation. After the receptor ligation, BCR and CD20 colocalize and then rapidly dissociate before BCR endocytosis, whereas CD20 remains at the cell surface.		
Concentration:	1 mg/ml		
UniProt ID:	P11836		
Specificity:	CD20		
Host:	Murine		
Immunogen:	Raji human Burkitt's lymphoma cell line		
Isotype:	IgG1		
Clone:	MEM-97		
Formulation:	PBS, pH 7.4 containing 15 mM sodium azide		
Cross-Reactivity:	Reacts with porcine and bovine CD20.		
Applications:	IP, FC		
Storage & Stability:	Store undiluted antibody at 2-8°C until expiration date.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

