

Mouse Monoclonal Antibody to CD20

Catalogue Number	sAP-0136
Target Molecule	Name: CD20 Aliases: B1; S7; Bp35; CD20; MS4A2; LEU-16; MGC3969; MS4A1 MW: N/A Entrez Gene ID: 931
Description	CD20 (MS4A1, membrane-spanning 4-domains, subfamily A, member 1) 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 nonlymphoid tissues. The CD20 antigen is present on human pre B lymphocytes and on B lymphocytes at all stages of maturation, except on plasma cells. Low level expression of the CD20 antigen has been detected on normal T lymphocytes. The CD20 molecule is involved in regulation of B cell differentiation, presumably via its reported function as a Ca ⁺⁺ channel subunit. And it is known to accelerate the G0 to G1 progression induced by IGF-1.
Immunogen	Synthetic peptide corresponding to aa (EPANPSEKNSPSTQY) of human CD20, conjugated to KLH.
Recombinant Species	Human
Clone	MM3E9D3C1G3;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Byar K. Semin Oncol Nurs. 2004, Feb, 20 (1 Suppl 1):20-5. Review. ; 2. Reiners KS. Hansen HP. Krüssmann A. et al. Immunology. 2004, Jun, 112(2):228-36. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**