

CD20 Mouse Monoclonal Antibody (2F4)

Catalog No: RA10241

Basic Information

Host species	Mouse
Applications	IHC
Species Cross-Reactivity	H,M,R
Specificity	The CD20 antibody detects endogenous CD20 proteins.
Recommended dilutions	IHC: 1:200 Optimal dilutions should be determined by the end user.

Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

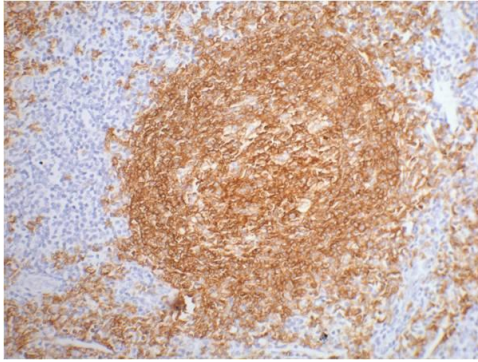
Background

Alternative Names	
Observed band	35-37
Human Gene ID	931
Human Swiss-Prot Number	P11836

Background

CD20 is a non glycosylated protein with a molecular weight of 35 or 37 kDa depending on the degree of phosphorylation. Although not a member of the tetraspanin superfamily of cell surface receptors, it crosses the cell membrane four times. 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 Ca²⁺ channel subunit.

Selected Validation Data



IHC staining of Human tonsil tissue paraffin-embedded with CD20 mouse mAb (2F4) diluted at 1:200.