



## CD20 Mouse Monoclonal Antibody

E12-071

**Catalog Number:** E12-071

**Amount:** 100µg/100µl

**Clone Number:** 2F4

**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 Ca<sup>2+</sup> channel subunit.

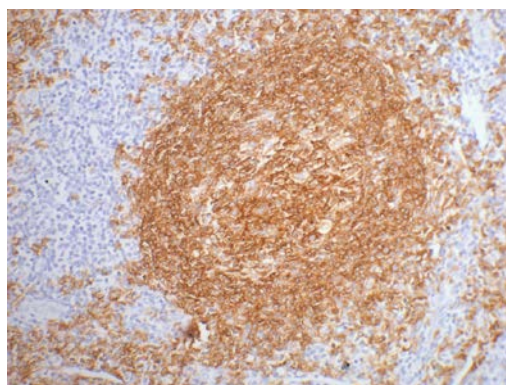
**Form of Antibody:** Mouse IgG1 in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20°C/1 year

**Specificity/Sensitivity:** The CD20 antibody detects endogenous CD20 proteins (~35-37KD).

**Reactivity:** Human, Mouse, Rat

**Applications:** IHC: 1:200



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

**For Research Use Only**