

## Product datasheet for **AM08154BT-N**

### CD20 (MS4A1) Mouse Monoclonal Antibody [Clone ID: B-Ly1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	B-Ly1
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> 10 µl/10e6 cells.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD20.
Formulation:	PBS containing 0.09% Sodium Azide as preservative. Label: Biotin State: Liquid purified Ig fraction.
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	membrane spanning 4-domains A1
Database Link:	<a href="#">Entrez Gene 931 Human P11836</a>
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>++</sup> channel subunit. (Ref-1-4)
Synonyms:	MS4A1, Leu-16, Bp35, B-cell marker



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