

## Product datasheet for **AM08154PU-N**

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

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Clone Name:           | B-Ly1   |
| Applications:         | FC, FN, IP  |
| Recommended Dilution: | <b>Flow Cytometry:</b> < / = 1 µg/10e6 cells.<br><b>Immunoprecipitation.</b><br><b><i>In vitro</i> activation of B cells.</b>                         |
| Reactivity:           | Human   |
| Host:                 | Mouse   |
| Isotype:              | IgG1  |
| Clonality:            | Monoclonal  |
| Specificity:          | This antibody recognizes CD20.  |
| Formulation:          | Borate Buffered Saline, pH 8.2.<br>No preservatives or amine-containing buffer salts added.<br>State: Purified<br>State: Liquid purified Ig fraction. |
| Concentration:        | lot specific  |
| Conjugation:          | Unconjugated  |
| Storage:              | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>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>  |



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**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