

## Monoclonal Antibody to CD20 - PE

<b>Alternate names:</b>	B-cell marker, B-lymphocyte antigen CD20, B-lymphocyte surface antigen B1, Bp35, Leu-16, MS4A1, Membrane-spanning 4-domains subfamily A member 1
<b>Catalog No.:</b>	AM08154RP-N
<b>Quantity:</b>	100 Tests
<b>Background:</b>	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)
<b>Uniprot ID:</b>	<a href="#">P11836</a>
<b>NCBI:</b>	<a href="#">NP_068769.2</a>
<b>GeneID:</b>	<a href="#">931</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	B-Ly1
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. <b>Label:</b> PE – R-Phycoerythrin
<b>Applications:</b>	<b>Flow Cytometry:</b> 10 µl/10e6 cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes CD20. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Knapp, W., B. Dorken, W.R. Gllks, E.P. Rieber, R.E. Schmidt, H. Stein, A.E.G.K. Von dem Borne, eds. 1989. Leukocyte Typing IV: White Cell Differentiation Antigens, Oxford University Press, Oxford. 2. Barclay, A.N., M.H. Brown, S.K.A. Law, A.J. McKnight, M.G. Tomlinson, and P.A. van der Merwe, eds. 1997. The Leukocyte Antigens Facts Book, 2nd Edition, CD20 Section,

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Academic Press, New York, p. 181.

3. Tedder. T.F., and P. Engel. 1994. Immunol. Today 15:450.

4. Tedder, T.F., M. Streuli, S.F. Schlossman, and H. Saito. 1988. Proc. Natl. Acad. Sci. USA 85:208.

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