

## Monoclonal Antibody to CD35 / C3BR - FITC

<b>Alternate names:</b>	C3b/C4b receptor, CR1, Complement receptor type 1
<b>Catalog No.:</b>	SM1097FT
<b>Quantity:</b>	25 µg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	CD35 is a single chain cell surface glycoprotein which exists in four allotypic forms (A,B,C,D) of 190kD, 220kD, 160kD and 250kD respectively. The molecule is expressed by granulocytes, monocytes, B cells and some T cells. Functionally CD35 acts as a receptor for the C3b component of complement.
<b>Uniprot ID:</b>	<a href="#">P17927</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	E11
<b>Immunogen:</b>	Human acute monocytic leukaemia cells. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction. <b>Purification:</b> Ion Exchange Chromatography. <b>Buffer System:</b> PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises the CD35 cell surface glycoprotein. <b>Species:</b> Human, Cynomolgus monkey, Baboon, Rhesus Monkey. Other species not tested.
<b>Storage:</b>	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. Shelf life: one year from despatch.
<b>General References:</b>	1. Hogg, N. et al. (1984) Identification of an anti-monocyte antibody that is specific for membrane complement receptor type 1 (CR1). <i>Eur. J. Immunol.</i> 14: 236 - 243. 2. Yoshino, N. et al. (2000) Upgrading of flow cytometric analysis for absolute counts, cytokines and other antigenic molecules of Cynomolgus monkeys ( <i>Macaca fascicularis</i> ) by using anti-human cross-reactive antibodies. <i>Exp. Anim.</i> 49: 97-110. 3. Birmingham, D. J. et al. (1996) The baboon erythrocyte complement receptor is

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glycophosphatidyl/insitolinked protein encoded by homologue of the human CR1 - like genetic element. J. Immunol. 157: 2586 - 2592.

4. Sopper, S. et al. (1997) Lymphocyte subsets and expression of differentiation markers in blood and lymphoid organs of Rhesus monkeys. Cytometry 29: 351-362.

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