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Product datasheet for SM1097PS

CD35 (CR1) Mouse Monoclonal Antibody [Clone ID: E11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	E11
Applications:	FC, IHC, WB
Recommended Dilution:	**Western Blot** (See *Birmingham, D.J. et al. 1996* for more details). **Flow Cytometry:** Use 10 µl of 1/50-1/200 diluted antibody to label 10^6 cells or 100 µl whole blood. **Immunohistochemistry on Frozen Sections:** 1-10 µg/ml. **Immunohistochemistry on Paraffin Sections:** 1-10 µg/ml. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes ***Recommended Positive Control:*** Human Tonsil tissue.
Reactivity:	Human, Monkey, Baboon
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human acute monocytic leukaemia cells. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody recognizes CD35, 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.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated

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Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

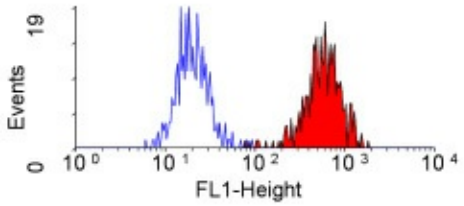
Gene Name: complement component 3b/4b receptor 1 (Knops blood group)

Database Link: Entrez Gene 1378 Human
P17927

Background: CD35 is a membrane glycoprotein found on peripheral blood cells, glomerular podocytes, and follicular dendritic cells. The protein is a receptor for complement components C3b and C4b and regulates the activity of the complement cascade. Variation in this protein is the basis of the Knops blood group system. The two most common alleles, F and S, differ by 8 exons and are thought to be the result of an unequal crossover event. A secreted form of the protein present in plasma has been described, but its full length nature has not been determined.

Synonyms: Complement receptor type 1, CR1, C3b/C4b receptor

Product images:



Staining of Human peripheral blood monocytes with Mouse anti Human CD35 Antibody (Clone E11).