

Product datasheet for **SM1182R**

C5R1 (C5AR1) (N-term) Mouse Monoclonal Antibody [Clone ID: S5/1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S5/1
Applications:	FC
Recommended Dilution:	Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Reactivity:	Human, Bovine, Rabbit, Ferret
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant N-terminal peptide (Asp15-Asp27) of human C5aR
Specificity:	This antibody recognizes the CD88 protein, a 43 kDa receptor of C5a component of the complement cascade.
Formulation:	Phosphate buffered saline (PBS) Label: PE State: Liquid purified Ig fraction Preservative: 15 mM sodium azide Label: Conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement component 5a receptor 1
Database Link:	Entrez Gene 728 Human P21730



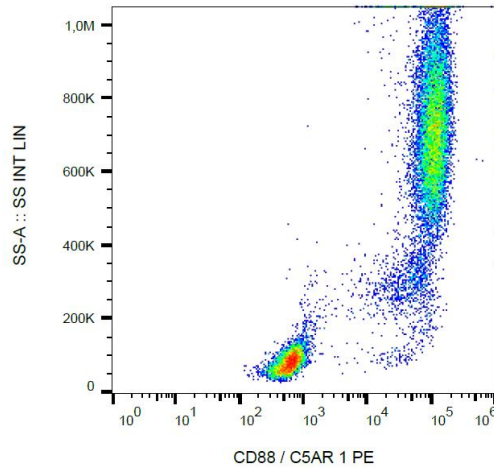
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Background:

CD88 / C5aR is a G protein-coupled seven membrane-spanning protein serving as a receptor for C5a component of the complement cascade, and is expressed mainly by monocytes, macrophages, neutrophils, eosinophils, and mast cells, but also e.g. by hepatocytes, glial cells, vascular endothelial cells, or cardiomyocytes. The binding of C5a to CD88 is associated with inflammatory response, including superoxide anion production, chemotaxis, and increased production of acute phase proteins. Expression of CD88 on synovial mast cells and their C5a-mediated degranulation plays a role in pathogenesis of rheumatoid arthritis.

Synonyms:

C5a-R, C5aR, C5AR1, Complement Component 5a Receptor 1

Product images:

Surface staining of human peripheral blood using anti-CD88 (clone S5/1) PE.