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30-1531F: FITC Conjugated Anti-CD88 / C5aR Monoclonal Antibody (Clone:S5/1)

Clonality :	Monoclonal
Clone Name :	S5/1
Application :	FACS
Reactivity :	Human
Conjugate :	FITC
Gene :	C5AR1
Gene ID :	728
Uniprot ID :	P21730
Alternative Name :	C5AR1,C5AR,C5R1
Isotype :	Mouse IgG2a
Immunogen Information :	Recombinant N-terminal peptide (Asp15-Asp27) of human C5aR

Description

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.

Product Info

Amount :	100 tests
Purification :	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 106 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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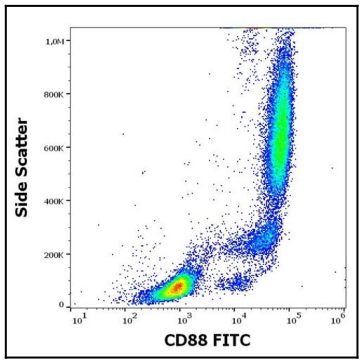


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD88 (S5/1) FITC antibody (4 µl reagent / 100 µl of peripheral whole blood).

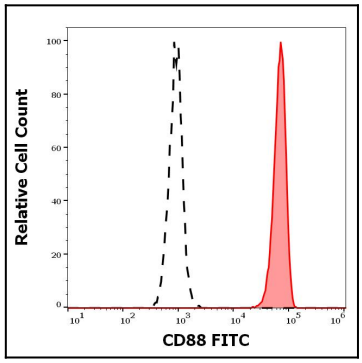


Figure 2: Separation of human neutrophil granulocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD88 (S5/1) FITC antibody (4 µl reagent / 100 µl of peripheral whole blood).

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