9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

30-2670AC: APC Congugated Anti-Human C5aR2 Antibody (Clone : 1D9-M12)

Clonality :	Monoclonal
Clone Name :	1D9-M12
Application :	FACS
Reactivity :	Human,Non-Human Primates
Conjugate :	APC
Gene :	C5AR2
Gene ID :	27202
Alternative Name :	C5L2, GPR77, GPF77,complement component 5a receptor 2
Isotype :	Mouse IgG2a kappa
Immunogen Information :	L1.2 cells transfected with human C5aR2

Description

C5aR2, also known as C5L2, is one of two receptors for C5a (anaphylatoxin). It is coexpressed with C5aR1 (CD88) in neutrophils, as well as e.g. in mast cells, astrocytes, or macrophages, and seems to have both pro-inflammatory and anti-inflammatory roles, depending on circumstances. Unlike CD88, C5aR2 is not coupled to G-protein, thus the modulatory role is more likely.
Specificity : The mouse monoclonal antibody 1D9-M12 recognizes an extracellular epitope on C5aR2 (C5L2), a C5a complement receptor, which is coexpressed with C5aR1 (CD88) in neutrophils, as well as e.g. in mast cells, astrocytes, or macrophages.

Product Info

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

Application Note

Flow cytometry: The reagent is designed for 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.

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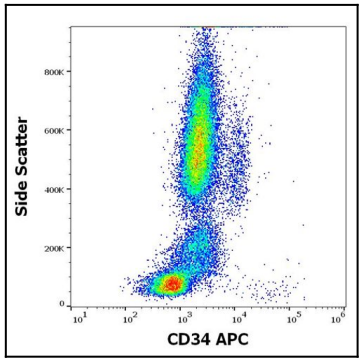

Figure 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human C5aR2 (1D9-M12) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

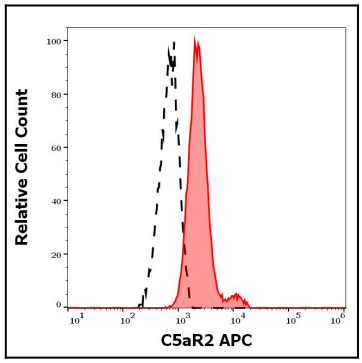

Figure 2 : Separation of human neutrophil granulocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human C5aR2 (1D9-M12) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).