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

Clonality :	Monoclonal
Clone Name :	1D9-M12
Application :	FACS,WB
Reactivity :	Human,Non-Human Primates
Conjugate :	Unconjugated
Gene :	C5AR2
Gene ID :	27202
Format :	Purified
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 :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	1 mg/ml, Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

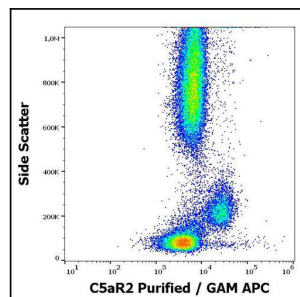Flow cytometry: Recommended dilution: 2-6 µg/ml

Figure 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human C5aR2 (1D9-M12) Purified antibody (concentration in sample 5,0 µg/ml, GAM APC).

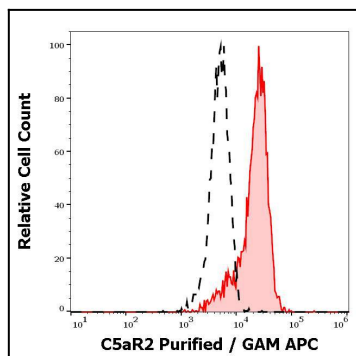*For Research Use Only. Not for use in diagnostic/therapeutics procedures.*

Figure 2 : Separation of monocytes stained using anti-C5aR2 (1D9-M12) purified antibody (concentration in sample 5,0 µg/ml, GAM-APC, red-filled) from monocytes unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).