

Datasheet for ABIN1774738  
**anti-C5AR1 antibody (AA 15-27)**[2 Images](#)[3 Publications](#)[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	C5AR1
Binding Specificity:	AA 15-27
Reactivity:	Human, Cow, Rabbit, Ferret
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This C5AR1 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP)

## Product Details

Immunogen:	Recombinant N-terminal peptide (Asp15-Asp27) of human C5aR
Clone:	S5-1
Isotype:	IgG2a kappa
Specificity:	The mouse monoclonal antibody S5/1 recognizes an extracellular epitope of CD88 protein, a 43 kDa receptor of C5a component of the complement cascade.
Cross-Reactivity (Details):	Human, Bovine, Ferret, Rabbit
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

Target:	C5AR1
Alternative Name:	CD88 / C5aR ( <a href="#">C5AR1 Products</a> )
Background:	Complement C5a receptor 1,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.,C5A, C5R1, C5AR1
Gene ID:	728
UniProt:	<a href="#">P21730</a>
Pathways:	<a href="#">Complement System</a>

## Application Details

Application Notes:	Flow cytometry: Recommended dilution: 3-12 µg/mL.
Restrictions:	For Research Use only

## Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b>
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

## Publications

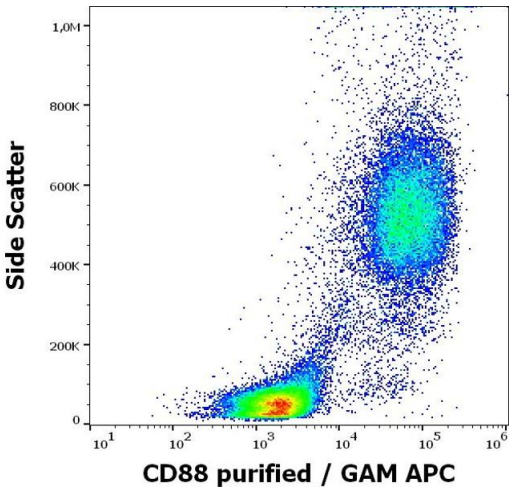
Product cited in:	Conway Morris, Kefala, Wilkinson, Dhaliwal, Farrell, Walsh, Mackenzie, Reid, Davidson, Haslett,
-------------------	---

Rossi, Sallenave, Simpson: "C5a mediates peripheral blood neutrophil dysfunction in critically ill patients." in: **American journal of respiratory and critical care medicine**, Vol. 180, Issue 1, pp. 19-28, (2009) ([PubMed](#)).

Cain, Monk: "The orphan receptor C5L2 has high affinity binding sites for complement fragments C5a and C5a des-Arg(74)." in: **The Journal of biological chemistry**, Vol. 277, Issue 9, pp. 7165-9, (2002) ([PubMed](#)).

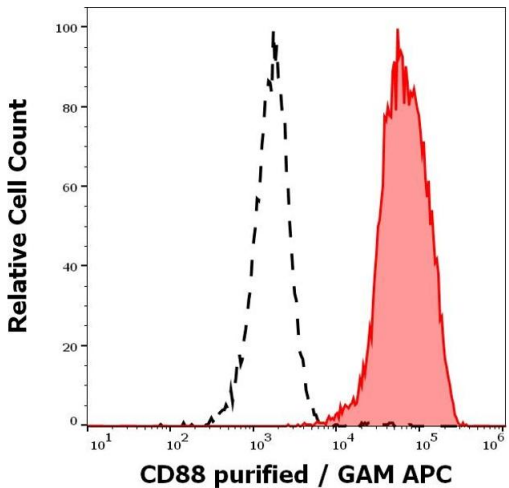
Kiener, Baghestanian, Dominkus, Walchshofer, Ghannadan, Willheim, Sillaber, Graninger, Smolen, Valent: "Expression of the C5a receptor (CD88) on synovial mast cells in patients with rheumatoid arthritis." in: **Arthritis and rheumatism**, Vol. 41, Issue 2, pp. 233-45, (1998) ([PubMed](#)).

Images



Flow Cytometry

**Image 1.** Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD88 (S5/1) purified antibody (concentration in sample 3 µg/mL, GAM APC).



Flow Cytometry

**Image 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) purified antibody (concentration in sample 3 µg/mL, GAM APC).