

CD88 Antibody | anti-CD88 antibody

Anti-Hu CD88 FITC

CATALOG # AAA129224	REACTIVITY Rabbit, Ferret, Cow, Human	APPLICATIONS Flow Cytometry, Functional Assay
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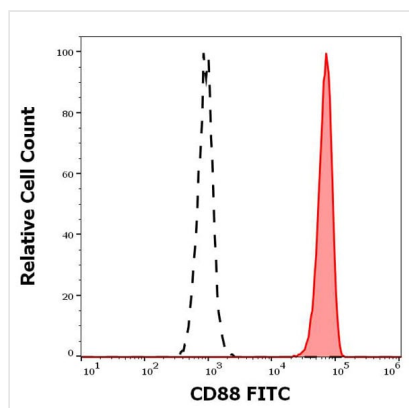
PRODUCT SYNONYMS

CD88; Anti-Hu CD88 FITC; complement C5a receptor 1; C5A; C5R1; C5AR1; anti-CD88 antibody

PRODUCT SPECIFICATIONS

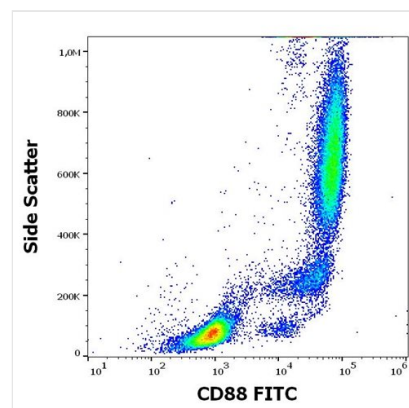
Reactivity	Rabbit, Ferret, Cow, Human
Isotype	Mouse IgG2a kappa
Clone Number	S5/1
Specificity	The mouse monoclonal antibody S5/1 recognizes an extracellular epitope of CD88 protein, a 43 kDa receptor of C5a component of the complement cascade.
Form/Format	FITC Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffered saline (PBS), pH 7.4, 1
Applicable Applications for anti-CD88 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Recombinant N-terminal peptide (Asp15-Asp27) of human C5aR
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

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 μ l reagent / 100 μ l of peripheral whole blood).



FCM/FACS (Flow Cytometry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-CD88 antibody	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.
References	*Kiener HP, Baghestanian M, Dominkus M, Walchshofer S, Ghannadan M, Willheim M, Sillaber C, Graninger WB, Smolen JS, Valent P: Expression of the C5a receptor (CD88) on synovial mast cells in patients with rheumatoid arthritis. Arthritis Rheum. 1998 Feb;41(2):233-45., URL: http://www.ncbi.nlm.nih.gov/pubmed/9485081 ,*Conway Morris A, Kefala K, Wilkinson TS, Dhaliwal K, Farrell L, Walsh T, Mackenzie SJ, Reid H, Davidson DJ, Haslett C, Rossi AG, Sallenave JM, Simpson AJ: C5a mediates peripheral blood neutrophil dysfunction in critically ill patients. Am J Respir Crit Care Med. 2009 Jul 1;180(1):19-28., URL: http://www.ncbi.nlm.nih.gov/pubmed/19324972 ,*Cain SA, Monk PN: The orphan receptor C5L2 has high affinity binding sites for complement fragments C5a and C5a des-Arg(74). J Biol Chem. 2002 Mar 1;277(9):7165-9., URL: http://www.ncbi.nlm.nih.gov/pubmed/11773063 ,*Camous L, Roumenina L, Bigot S, Brachemi S, Frémeaux-Bacchi V, Lesavre P, Halbwachs-Mecarelli L: Complement alternative pathway acts as a positive feedback amplification of neutrophil activation. Blood. 2011 Jan 27;117(4):1340-9., URL: http://www.ncbi.nlm.nih.gov/pubmed/?term=camous+l+roumenina+l ,

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502509
NCBI GeneID	728
NCBI Accession #	NP_001727.1
NCBI GenBank Nucleotide #	NM_001736.3
UniProt Accession #	P21730
Molecular Weight	39,336 Da
NCBI Official Full Name	C5a anaphylatoxin chemotactic receptor
NCBI Official Synonym Full Names	complement component 5a receptor 1
NCBI Official Symbol	C5AR1
NCBI Official Synonym Symbols	C5A; C5AR; C5R1; CD88
NCBI Protein Information	C5a anaphylatoxin chemotactic receptor; C5a-R; C5a ligand; C5a anaphylatoxin receptor; complement component 5 receptor 1
UniProt Protein Name	C5a anaphylatoxin chemotactic receptor
UniProt Gene Name	C5AR1
UniProt Synonym Gene Names	C5AR; C5R1; C5a-R; C5aR
UniProt Entry Name	C5AR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cow-ferret-human-rabbit-antibody/cd88/129224>