

Anti-Hu CD88 Purified C5AR1 Monoclonal Antibody

Catalog Number: M01898

About C5AR1

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.

Overview

Product Name	Anti-Hu CD88 Purified C5AR1 Monoclonal Antibody
Reactive Species	Cow, Ferret, Human, Rabbit
Description	Boster Bio Anti-Hu CD88 Purified C5AR1 Monoclonal Antibody (Catalog# M01898). Tested in Flow Cytometry, IP, WB, IHC-P application(s). This antibody reacts with Rabbit, Ferret, Cow, Human.
Application	Flow Cytometry, IP, IHC-P, WB
Clonality	Monoclonal S5/1
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P21730

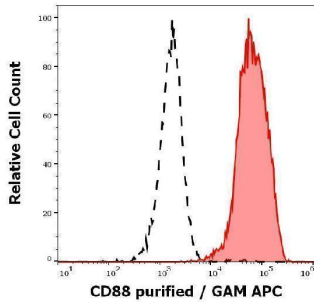
Technical Details

Immunogen	Recombinant N-terminal peptide (Asp15-Asp27) of human C5aR. The mouse monoclonal antibody S5/1 recognizes an extracellular epitope of CD88 protein, a 43 kDa receptor of C5a component of the complement cascade.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG2a kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

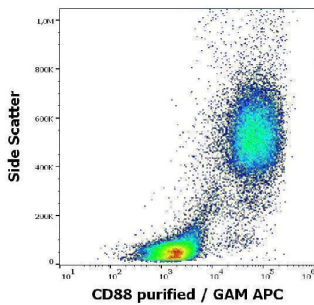
Suggested Dilutions

Flow cytometry: 3-12 ug/ml.

Anti-Hu CD88 Purified C5AR1 Monoclonal Antibody (M01898) Images



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).



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).

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