

**DATASHEET**

**CD88 Mouse Monoclonal Antibody(C2566)**

CAT. NO. AMA02178

**KEY FEATURES**

Target	CD88	Source / Host	Mouse
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

**BACKGROUND**

Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a, stimulating chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production . Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase . C5AR1 is coupled to G(i)/G(o) (GNAI1 or GNAO1) G alpha proteins and mediates inhibition of adenylate cyclase . The ligand interacts with at least two sites on the receptor: a high-affinity site on the extracellular N-terminus, and a second site in the transmembrane region which activates downstream signaling events .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:100 - 1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Mouse monoclonal to CD88
Specificity	Recognizes endogenous levels of CD88 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD88 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 39 kD; Observed: 45 kD kD
Form/Buffer	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	C5AR; C5R1; C5a anaphylatoxin chemotactiC, receptor 1; C5a anaphylatoxin chemotactiC, receptor; C5a-R; C5aR; CD88
Gene Symbol	C5AR1
Entrez Gene	728(Human); 113959(Rat)
SwissProt	P21730(Human); P30993(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

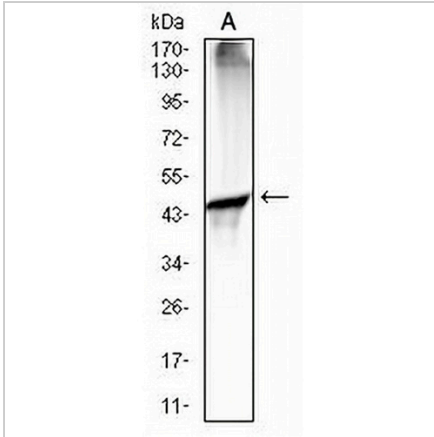
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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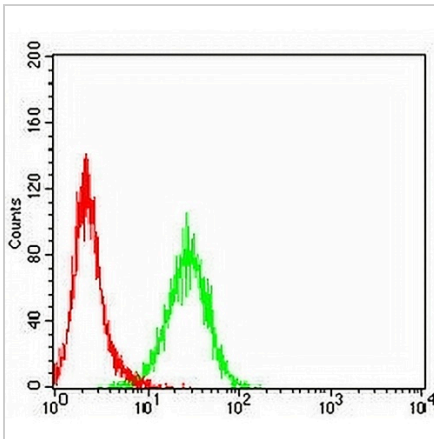
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**DATA**



Western blot analysis of CD88 expression in mouse serum (A) whole cell lysates. (Predicted band size: 39 kD; Observed band size: 45 kD)



Flow cytometric analysis of THP1 cells using Anti-CD88 Antibody (green) and negative control (red).

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.