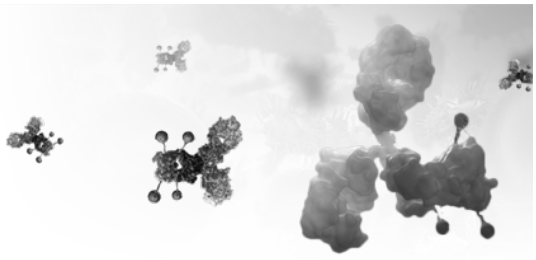

Anti-C5AR1 monoclonal antibody, clone 20/70 [R-PE] (CABT-46851RM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rat anti Mouse CD88 monoclonal antibody recognizes murine CD88, also known as C5a anaphylatoxin chemotactic receptor 1 (C5aR). a member of the G-protein coupled receptor 1 family. CD88 is a ~45kDa multi pass membrane protein and functions as a receptor for the complement component C5a, a potent proinflammatory molecule and a chemoattractant for neutrophils to sites of infection. In mouse, CD88 is expressed on granulocytes, monocytes and macrophages but not on resting or stimulated lymphocytes. Clone 20/70 has been reported to block the binding of the C5a to murine CD88. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors.
Specificity	C5AR1
Immunogen	RBL-2H3 transfected cells expressing murine C5aR.
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Mouse
Clone	20/70
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide

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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	C5ar1 complement component 5a receptor 1 [Mus musculus (house mouse)]
Official Symbol	C5AR1
Synonyms	C5AR1; complement component 5a receptor 1; C5aR; C5r1; Cd88; D7Msu1; C5a anaphylatoxin chemotactic receptor 1; C5a-R; C5a ligand; C5a anaphylatoxin receptor; complement component 5, receptor 1;
Entrez Gene ID	12273
Protein Refseq	NP_001167021
UniProt ID	P30993
Chromosome Location	7 A2; 7 8.77 cM
Pathway	Class A/1 (Rhodopsin-like receptors); Complement and Coagulation Cascades; Complement and coagulation cascades; Defective ACTH causes Obesity and Pro-opiomelanocortinin deficiency (POMCD); Disease; G alpha (i) signalling events; GPCR downstream signaling; GPCR ligand binding;
Function	C5a anaphylatoxin receptor activity; complement component C5a binding; complement component C5a receptor activity;

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