

For Research Use Only

C5AR1/CD88 Recombinant antibody

Catalog Number: 84336-6-RR



Basic Information

Catalog Number: 84336-6-RR	GenBank Accession Number: NM_001736.4	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 728	CloneNo.: 241712G8
Source: Rabbit	UNIPROT ID: P21730	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: complement component 5a receptor 1	
	Calculated MW: 39kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : THP-1 cells,
Species Specificity: human	

Background Information

C5aR, also named CD88, is a G protein-coupled receptor for the anaphylatoxin C5a, a cleavage product of the complement cascade. The C5a ligand is a proinflammatory component of host defense. C5aR is activated upon binding of the C5a molecule. Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release, and superoxide anion production. The deduced sequence of C5aR contains 350 amino acids, giving a calculated molecular weight of 39 kDa. C5aR has an N-linked glycosylation site in the N-terminal extracellular domain. The apparent molecular weight of C5aR is about 40-52 kDa (PMID: 1847994; 9136907; 9136907; 2007135).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

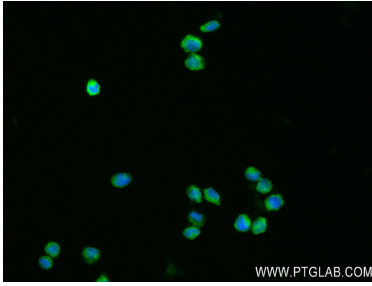
T: 4006900926

E: Proteintech-CN@ptglab.com

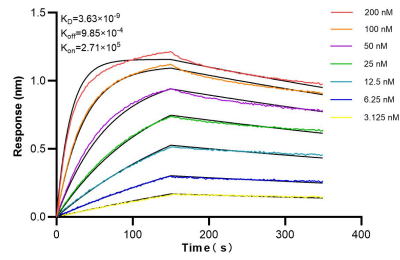
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using C5AR1/CD88 antibody (84336-6-RR, Clone: 241712G8) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84336-6-RR against Human C5AR1/CD88 were performed. The affinity constant is 3.63 nM.