

For Research Use Only

C5AR1/CD88 Recombinant antibody, PBS Only

Catalog Number: 84336-6-PBS



Basic Information

Catalog Number:

84336-6-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001736.4

GeneID (NCBI):

728

UNIPROT ID:

P21730

Full Name:

complement component 5a receptor 1

Calculated MW:

39kDa

Purification Method:

Protein A purification

CloneNo.:

241712G8

Applications

Tested Applications:

IF/ICC, Indirect ELISA

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

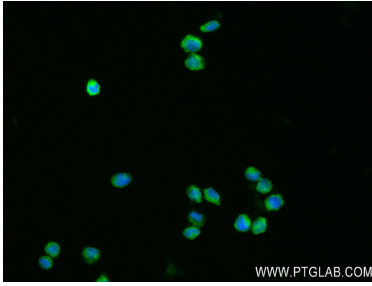
T: 4006900926

E: Proteintech-CN@ptglab.com

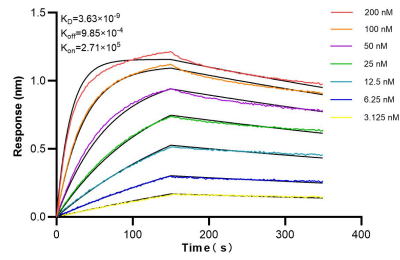
W: ptgcn.com

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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). This data was developed using the same antibody clone with 84336-6-PBS in a different storage buffer formulation.



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