

For Research Use Only

CoraLite® Plus 488-conjugated C5aR Polyclonal antibody



Catalog Number: CL488-21316

Basic Information

Catalog Number: CL488-21316	GenBank Accession Number: BC008982	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 728	Recommended Dilutions: IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: P21730	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: complement component 5a receptor 1	
Immunogen Catalog Number: AG15968	Calculated MW: 350 aa, 39 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications: IF	Positive Controls: IF/ICC : HepG2 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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

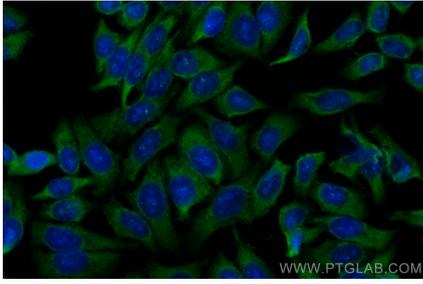
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 C5aR antibody (CL488-21316) at dilution of 1:200.