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Anti-C5AR1 / CD88 / C5a Receptor Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17846

Product Information

Application	WB, IHC-P
Primary Accession	P21730
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39336
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	728
Alias Symbol	C5AR1
Other Names	C5AR1, C5A, C5a-R, C5a ligand, C5a receptor, CD88, C5a anaphylatoxin receptor, C5AR, C5R1, CD88 antigen
Target/Specificity	The antibody recognizes human complement C5a and its dimer form. Reactivity to other species has not been tested
Reconstitution & Storage	Affinity purified
Precautions	Anti-C5AR1 / CD88 / C5a Receptor Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	C5AR1 {ECO:0000303|PubMed:37852260, ECO:0000312|HGNC:HGNC:1338}
Function	Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a, stimulating chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production (PubMed:10636859, PubMed:15153520, PubMed:1847994, PubMed:29300009, PubMed:36806352, PubMed:7622471, PubMed:8182049, PubMed:9553099). 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 (PubMed:36806352, PubMed:37852260). C5AR1 is coupled to G(i)/G(o) (GNAI1 or GNAO1) G alpha proteins and mediates inhibition of adenylate cyclase (PubMed:36806352, PubMed:37852260). 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 (PubMed:7622471,

PubMed:8182049, PubMed:9553099).

Cellular Location	Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle. Note=Phosphorylated C5aR colocalizes with ARRB1 and ARRB2 in cytoplasmic vesicles

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.