

CD88 Polyclonal Antibody

Catalog # AP73893

Product Information

Application	WB
Primary Accession	P21730
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39336

Additional Information

Gene ID	728
Other Names	C5AR1; C5AR; C5R1; C5a anaphylatoxin chemotactic receptor; C5a-R; C5aR; CD88
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

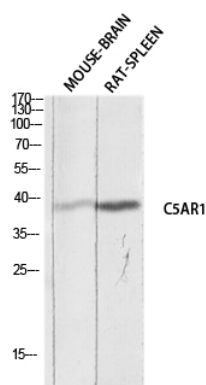
Protein Information

Name	C5AR1
Synonyms	C5AR, C5R1
Function	Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a (PubMed: 10636859 , PubMed: 15153520 , PubMed: 1847994 , PubMed: 29300009 , PubMed: 7622471 , PubMed: 8182049 , PubMed: 9553099). 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). Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production (PubMed: 10636859 , PubMed: 15153520).
Cellular Location	Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle. Note=Phosphorylated C5aR colocalizes with ARRB1 and ARRB2 in cytoplasmic vesicles

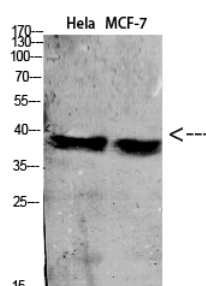
Background

Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a (PubMed: [1847994](#), PubMed:[8182049](#), PubMed:[7622471](#), PubMed:[9553099](#), PubMed:[10636859](#), PubMed:[15153520](#), PubMed:[29300009](#)). 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:[8182049](#), PubMed:[7622471](#), PubMed:[9553099](#)). Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production (PubMed:[10636859](#), PubMed:[15153520](#)).

Images



Western blot analysis of MOUSE-BRAIN RAT-SPLEEN lysis using C5AR1 antibody. Antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000



Western Blot analysis of various cells using Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000

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