

# CD88 Polyclonal Antibody

Catalog # AP68964

## Product Information

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Application	WB, IHC-P, IF, ICC, E
Primary Accession	<a href="#">P21730</a>
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39336

## Additional Information

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Gene ID	728
Other Names	C5AR1; C5AR; C5R1; C5a anaphylatoxin chemotactic receptor; C5a-R; C5aR; CD antigen CD88
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

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

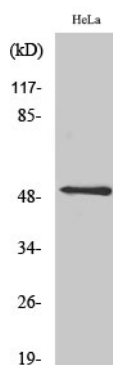
## Background

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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

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Western Blot analysis of various cells using CD88 Polyclonal Antibody

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