

C5AR1 / CD88 / C5a Receptor Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10709**Specification**

C5AR1 / CD88 / C5a Receptor Antibody (N-Terminus) - Product Information

Application	IHC-P, ICC
Primary Accession	P21730
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa
Dilution	IHC-P~~N/A ICC~~N/A

C5AR1 / CD88 / C5a Receptor Antibody (N-Terminus) - Additional Information**Gene ID** 728**Other Names**

C5a anaphylatoxin chemotactic receptor 1, C5a anaphylatoxin chemotactic receptor, C5a-R, C5aR, CD88, C5AR1, C5AR, C5R1

Target/Specificity

Human C5AR1 / CD88. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

C5AR1 / CD88 / C5a Receptor Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

C5AR1 / CD88 / C5a Receptor Antibody (N-Terminus) - 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

Volume

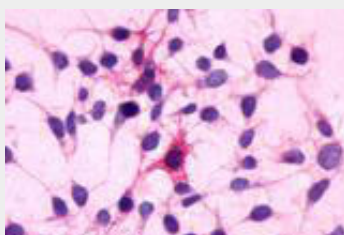
50 µl

C5AR1 / CD88 / C5a Receptor Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

C5AR1 / CD88 / C5a Receptor Antibody (N-Terminus) - Images



Anti-C5AR1 / CD88 antibody ALS10709 immunocytochemistry (ICC) staining of HEK293 human embryonic...

C5AR1 / CD88 / C5a Receptor Antibody (N-Terminus) - Background

Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a (PubMed:1847994, PubMed:8182049, PubMed:7622471, PubMed:9553099, PubMed:10636859, PubMed:15153520). 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).

C5AR1 / CD88 / C5a Receptor Antibody (N-Terminus) - References

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Gerard N.P.,et al.Nature 349:614-617(1991).
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Grimwood J.,et al.Nature 428:529-535(2004).