

C5AR1 / CD88 / C5a Receptor Antibody
Mouse Monoclonal Antibody
Catalog # ALS12368**Specification**

C5AR1 / CD88 / C5a Receptor Antibody - Product Information

Application	IHC
Primary Accession	P21730
Reactivity	Human, Rabbit
Host	Mouse
Clonality	Monoclonal
Calculated MW	39kDa KDa

C5AR1 / CD88 / C5a Receptor Antibody - 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

Recognizes the C5a receptor (C5aR) CD88, which is predominantly expressed on cells of the myeloid lineage. Clone 3H1738 was raised against a synthetic peptide Met1 -Asn31 and has recently been shown to recognize the heptameric peptide (D15DKDTLD21). ...

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

C5AR1 / CD88 / C5a Receptor Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

C5AR1 / CD88 / C5a Receptor Antibody - Protein Information**Name** C5AR1**Synonyms** C5AR, C5R1**Function**

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).

Cellular Location

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

Volume

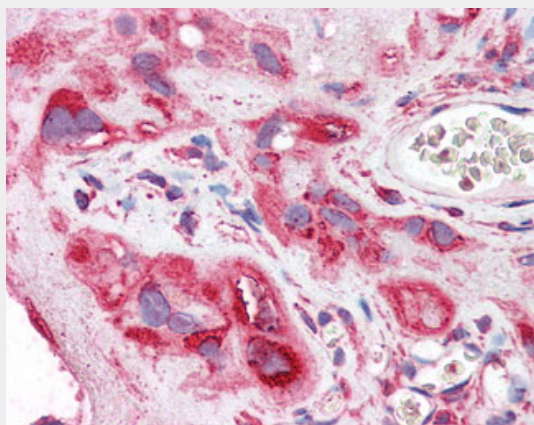
50 µl

C5AR1 / CD88 / C5a Receptor Antibody - 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 - Images



Anti-C5AR1 / CD88 antibody IHC of human placenta.

C5AR1 / CD88 / C5a Receptor Antibody - 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 - References

Boulay F.,et al.Biochemistry 30:2993-2999(1991).
Gerard N.P.,et al.Nature 349:614-617(1991).
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Grimwood J.,et al.Nature 428:529-535(2004).