

**Anti-Complement C5aR1 Reference Antibody (G2 patent anti-C5aR)  
Recombinant Antibody  
Catalog # APR10844****Specification****Anti-Complement C5aR1 Reference Antibody (G2 patent anti-C5aR) - Product Information**

|                   |                            |
|-------------------|----------------------------|
| Application       | FC, Kinetics, Animal Model |
| Primary Accession | <a href="#">P21730</a>     |
| Reactivity        | Human                      |
| Clonality         | Monoclonal                 |
| Isotype           | IgG1                       |
| Calculated MW     | 146.4 KDa                  |

**Anti-Complement C5aR1 Reference Antibody (G2 patent anti-C5aR) - Additional Information****Target/Specificity**

Complement C5aR1

**Endotoxin**

&lt; 0.001EU/ µg,determined by LAL method.

**Conjugation**

Unconjugated

**Expression system**

CHO Cell

**Format**

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

**Anti-Complement C5aR1 Reference Antibody (G2 patent anti-C5aR) - Protein Information****Name** C5AR1**Synonyms** C5AR, C5R1**Function**

Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a (PubMed:<a href="http://www.uniprot.org/citations/10636859" target="\_blank">10636859</a>, PubMed:<a href="http://www.uniprot.org/citations/15153520" target="\_blank">15153520</a>, PubMed:<a href="http://www.uniprot.org/citations/1847994" target="\_blank">1847994</a>, PubMed:<a href="http://www.uniprot.org/citations/29300009" target="\_blank">29300009</a>, PubMed:<a href="http://www.uniprot.org/citations/7622471" target="\_blank">7622471</a>, PubMed:<a href="http://www.uniprot.org/citations/8182049" target="\_blank">8182049</a>, PubMed:<a href="http://www.uniprot.org/citations/9553099" target="\_blank">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="http://www.uniprot.org/citations/7622471" target="\_blank">7622471</a>, PubMed:<a href="http://www.uniprot.org/citations/8182049" target="\_blank">8182049</a>, PubMed:<a href="http://www.uniprot.org/citations/9553099" target="\_blank">9553099</a>). Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production (PubMed:<a href="http://www.uniprot.org/citations/10636859" target="\_blank">10636859</a>, PubMed:<a href="http://www.uniprot.org/citations/15153520" target="\_blank">15153520</a>).

#### Cellular Location

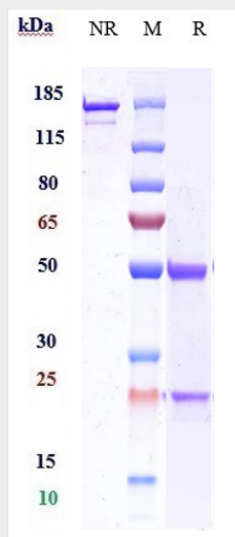
Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle. Note=Phosphorylated C5aR colocalizes with ARRB1 and ARRB2 in cytoplasmic vesicles

### Anti-Complement C5aR1 Reference Antibody (G2 patent anti-C5aR) - Protocols

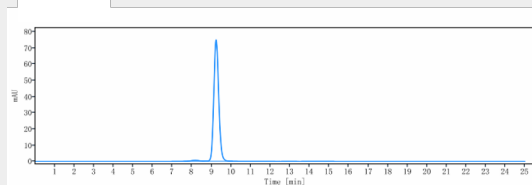
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-Complement C5aR1 Reference Antibody (G2 patent anti-C5aR) - Images



Anti-Complement C5aR1 Reference Antibody (G2 patent anti-C5aR) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-Complement C5aR1 Reference Antibody (G2 patent anti-C5aR) is more than 95% ,determined by SEC-HPLC.