

C3aR Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10992**Specification**

C3aR Antibody - Product Information

Application	FC
Primary Accession	Q16581
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	53864

C3aR Antibody - Additional Information**Gene ID** 719**Application & Usage**

The antibody recognizes C3aR expressed in leukocytes and in transfected cells using flow cytometry.

Other Names

C3a receptor-like, C3a anaphylatoxin chemotactic receptor, C3a anaphylatoxin chemotactic, C3a-R, C3AR

Target/Specificity

C3aR

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

C3aR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

C3aR Antibody - Protein Information

Name C3AR1

Synonyms AZ3B, C3R1, HNFAG09

Function

Receptor for the chemotactic and inflammatory peptide anaphylatoxin C3a. This receptor stimulates chemotaxis, granule enzyme release and superoxide anion production.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Widely expressed in several differentiated hematopoietic cell lines, in the lung, spleen, ovary, placenta, small intestine, throughout the brain, heart, and endothelial cells. Mostly expressed in lymphoid tissues

C3aR 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](#)

C3aR Antibody - Images

C3aR Antibody - Background

C3a is an anaphylatoxin generated through activation of the complement C3. C3a is a potent chemoattractant for phagocytes, and it stimulates chemotaxis and other leukocyte functions. C3a binds to eosinophils, basophils, neutrophils, and differentiated U937 cells, that all express receptors for C3a on their cell surface. The C3a receptor has been cloned and shown to be a G protein-coupled receptor with seven putative transmembrane domains. This receptor is characterized for its large extracellular loop between the fourth and fifth transmembrane domains. The loop can be readily detected using the rabbit anti-C3a receptor antibody.