

C5a Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11094**Specification**

C5a Antibody - Product Information

Application	WB
Primary Accession	P01031
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	188305

C5a Antibody - Additional Information**Gene ID 727**

Application & Usage	Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Recombinant mouse C5a can be used as a positive control. Other applications have not been determined.
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Other Names

complement component 5a receptor 1, Complement component C5a complement component 5

Target/Specificity

C5a

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

C5a Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

C5a Antibody - Protein Information

Name C5

Synonyms CPAMD4

Function

Activation of C5 by a C5 convertase initiates the spontaneous assembly of the late complement components, C5-C9, into the membrane attack complex. C5b has a transient binding site for C6. The C5b-C6 complex is the foundation upon which the lytic complex is assembled.

Cellular Location

Secreted.

C5a 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](#)

C5a Antibody - Images

C5a Antibody - Background

Mouse complement C5a is a 77-amino acid peptide generated during complement activation from the alpha-chain of complement C5. Mouse C5a shares 60% and 82% amino acid sequence identity to human and rat C5a, respectively. C5a binds to a signaling G-protein coupled receptor (GPCR) (C5aR/CD88), inducing neutrophil chemotaxis and endothelial cell activation. It also triggers an oxidative burst in macrophages and neutrophils, and induces release of histamine in basophils and mast cells.