

**complement C3 (aa681-693) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3842a

**Specification**

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**complement C3 (aa681-693) Antibody (internal region) - Product Information**

Application	E
Primary Accession	<a href="#">P01024</a>
Other Accession	<a href="#">NP_000055.2</a> , <a href="#">718</a>
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	187148

**complement C3 (aa681-693) Antibody (internal region) - Additional Information**

Gene ID 718

**Other Names**

Complement C3, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1, Complement C3 beta chain, C3-beta-c, C3bc, Complement C3 alpha chain, C3a anaphylatoxin, Acylation stimulating protein, ASP, C3adesArg, Complement C3b alpha' chain, Complement C3c alpha' chain fragment 1, Complement C3dg fragment, Complement C3g fragment, Complement C3d fragment, Complement C3f fragment, Complement C3c alpha' chain fragment 2, C3, CPAMD1

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

complement C3 (aa681-693) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**complement C3 (aa681-693) Antibody (internal region) - Protein Information**

Name C3

Synonyms CPAMD1

**Function**

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After

activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates. [C3-beta-c]: Acts as a chemoattractant for neutrophils in chronic inflammation.

**Cellular Location**

Secreted.

**Tissue Location**

Plasma. The acylation stimulating protein (ASP) is expressed in adipocytes and released into the plasma during both the fasting and postprandial periods.

**complement C3 (aa681-693) Antibody (internal region) - 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](#)

**complement C3 (aa681-693) Antibody (internal region) - Images****complement C3 (aa681-693) Antibody (internal region) - Background**

This antibody is expected to recognize the C3 alpha chain and C3a anaphylatoxin,

**complement C3 (aa681-693) Antibody (internal region) - References**

IgG autoantibodies against deposited C3 inhibit macrophage-mediated apoptotic cell engulfment in systemic autoimmunity. Kenyon KD, Cole C, Crawford F, Kappler JW, Thurman JM, Bratton DL, Boackle SA, Henson PM. J Immunol. 2011 Sep 1;187(5):2101-11. PMID: 21813769