

**complement C3 (aa1580-1592) Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF3841a

### Specification

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#### complement C3 (aa1580-1592) Antibody (C-Term) - 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 (aa1580-1592) Antibody (C-Term) - 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 (aa1580-1592) Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### complement C3 (aa1580-1592) Antibody (C-Term) - 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 (aa1580-1592) Antibody (C-Term) - 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 (aa1580-1592) Antibody (C-Term) - Images****complement C3 (aa1580-1592) Antibody (C-Term) - Background**

This antibody is expected to recognize the C3 alpha chain, C3b alpha' chain and the C3c alpha' chain fragment 2.

**complement C3 (aa1580-1592) Antibody (C-Term) - 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