

# Goat anti-CFD / adipsin (aa87-96) Antibody

Peptide-affinity purified goat antibody

Catalog # AF4366a

## Product Information

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<b>Application</b>	WB, Pep-ELISA
<b>Primary Accession</b>	<a href="#">P00746</a>
<b>Other Accession</b>	<a href="#">NP_001919.2</a>
<b>Reactivity</b>	Human, Pig, Bovine
<b>Host</b>	Goat
<b>Clonality</b>	Polyclonal
<b>Clone Names</b>	CFD
<b>Calculated MW</b>	27033

## Additional Information

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<b>Gene ID</b>	1675
<b>Other Names</b>	CFD; complement factor D (adipsin); ADIPSIN; ADN; DF; PFD; C3 convertase activator; D component of complement (adipsin); complement factor D; complement factor D preproprotein; properdin factor D
<b>Dilution</b>	WB~~1:1000 Pep-ELISA~~N/A
<b>Format</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Storage</b>	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.
<b>Precautions</b>	Goat anti-CFD / adipsin (aa87-96) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CFD ( <a href="#">HGNC:2771</a> )
<b>Synonyms</b>	DF, PFD
<b>Function</b>	Serine protease that initiates the alternative pathway of the complement system, a cascade of proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system (PubMed: <a href="#">21205667</a> , PubMed: <a href="#">22362762</a> , PubMed: <a href="#">6769474</a> , PubMed: <a href="#">874324</a> , PubMed: <a href="#">9748277</a> ). In contrast to other complement pathways (classical, lectin and GZMK) that are directly activated by pathogens or antigen-antibody

complexes, the alternative complement pathway is initiated by the spontaneous hydrolysis of complement C3 (PubMed:[21205667](#), PubMed:[22362762](#), PubMed:[6769474](#), PubMed:[874324](#)). The alternative complement pathway acts as an amplification loop that enhances complement activation by mediating the formation of C3 and C5 convertases (PubMed:[21205667](#), PubMed:[22362762](#), PubMed:[6769474](#), PubMed:[874324](#)). Activated CFD cleaves factor B (CFB) when the latter is complexed with complement C3b, activating the C3 convertase of the alternative pathway (PubMed:[21205667](#), PubMed:[6769474](#), PubMed:[874324](#), PubMed:[9748277](#)).

**Cellular Location**

Secreted

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.