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# Goat anti-CFD / adipsin Antibody

Peptide-affinity purified goat antibody
Catalog # AF4379a

## Product Information

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|---|---|
| **Application** | WB, Pep-ELISA |
| **Primary Accession** | P00746 |
| **Other Accession** | NP_001919.2 |
| **Reactivity** | Human |
| **Host** | Goat |
| **Clonality** | Polyclonal |
| **Clone Names** | CFD |
| **Calculated MW** | 27033 |

## Additional Information

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|---|---|
| **Gene ID** | 1675 |
| **Other Names** | 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 |
| **Dilution** | WB~~1:1000 Pep-ELISA~~N/A |
| **Format** | 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. |
| **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** | Goat anti-CFD / adipsin Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | CFD ( HGNC:2771) |
| **Synonyms** | DF, PFD |
| **Function** | 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:21205667, PubMed:22362762, PubMed:6769474, PubMed:874324, PubMed:9748277). 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'.