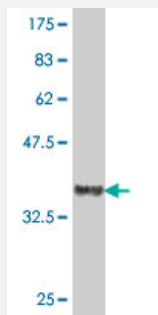


IF polyclonal antibody (A01)

Catalog # H00003426-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant IF.
Immunogen	IF (NP_000195, 19 a.a. ~ 118 a.a) partial recombinant protein with GST tag.
Sequence	KVTYTSQEDLVEKKCLAKKYTHLSCDKVFCQPWQRCIEGTCVCKLPYQCPKNGTAVCATNRRSF PTYCQQKSLECLHPGKFLNNGTCTAEGKFSVSLKH
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CFI

Entrez GeneID [3426](#)

GeneBank Accession# [NM_000204](#)

Protein Accession# [NP_000195](#)

Gene Name CFI

Gene Alias C3B-INA, FI, IF, KAF

Gene Description complement factor I

Omim ID [217030](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a serine proteinase that is essential for regulating the complement cascade. The encoded preproprotein is cleaved to produce both heavy and light chains, which are linked by disulfide bonds to form a heterodimeric glycoprotein. This heterodimer can cleave and inactivate the complement components C4b and C3b, and it prevents the assembly of the C3 and C5 convertase enzymes. Defects in this gene cause complement factor I deficiency, an autosomal recessive disease associated with a susceptibility to pyogenic infections. Mutations in this gene have been associated with a predisposition to atypical hemolytic uremic syndrome, a disease characterized by acute renal failure, microangiopathic hemolytic anemia and thrombocytopenia. Primary glomerulonephritis with immune deposits is another condition associated with mutation of this gene. [provided by RefSeq]

Other Designations C3B/C4B inactivator|C3b-inactivator|I factor (complement)|Konglutinogen-activating factor|complement component I|complement control protein factor I|light chain of factor I

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Alcoholism](#)
- [Genetic Predisposition to Disease](#)
- [Hemolytic-Uremic Syndrome](#)
- [Macular Degeneration](#)
- [Recurrence](#)
- [Tobacco Use Disorder](#)