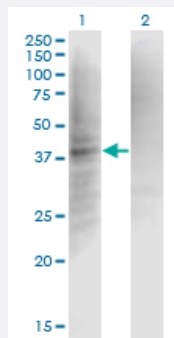


IF monoclonal antibody (M01), clone 1B3

Catalog # H00003426-M01

Size 100 ug

Applications

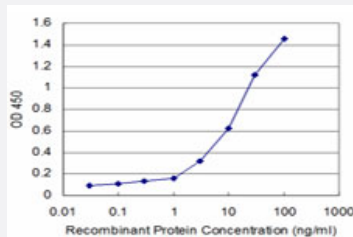


Western Blot (Transfected lysate)

Western Blot analysis of CFI expression in transfected 293T cell line by IF monoclonal antibody (M01), clone 1B3.

Lane 1: CFI transfected lysate (Predicted MW: 42.4 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IF is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant IF.

Immunogen	IF (NP_000195, 19 a.a. ~ 118 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KVTYTSQEDLVEKKCLAKKYTHLSCDKVFCQPWQRCIEGTCVCKLPYQCPKNGTAVCATNRRSF PTYCQQKSLECLHPGTKFLNNGTCTAEGKFSVSLKH
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of CFI expression in transfected 293T cell line by IF monoclonal antibody (M01), clone 1B3.

Lane 1: CFI transfected lysate (Predicted MW: 42.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IF is approximately 0.3ng/ml as a capture antibody.

[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	<p>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 uraemic 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]</p>
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](#)