CFI rabbit monoclonal antibody

Catalog # H00003426-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CFI peptide using ARM Technology.
Immunogen	A synthetic peptide of human CFI is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CFI peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — CFI

Entrez GeneID	3426
GeneBank Accession#	CFI
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 uraemic syndrome, a disease characterized by acute renal failure, microangiopathic hemolytic anemia and thrombocytopenia. Primary glomerulonephritis with immmune 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