CFI monoclonal antibody, clone KT22

Catalog # MAB1669 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CFI.
Immunogen	Native Purified human CFI.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2b
Quality Control Testing	Antibody Reactive Against Native Purified Protein.
Recommend Usage	ELISA (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CFI

Entrez GeneID	3426

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. T he 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 t he complement components C4b and C3b, and it prevents the assembly of the C3 and C5 conver tase enzymes. Defects in this gene cause complement factor I deficiency, an autosomal recessiv e disease associated with a susceptibility to pyogenic infections. Mutations in this gene have bee n associated with a predisposition to atypical hemolytic uraemic syndrome, a disease characteriz ed by acute renal failure, microangiopathic hemolytic anemia and thrombocytopenia. Primary glo merulonephritis with immmune deposits is another condition associated with mutation of this gen e. [provided by RefSeq
Other Designations	C3B/C4B inactivator|C3b-inactivator|I factor (complement)|Konglutinogen-activating factor|comple ment 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