

Datasheet for ABIN181115
anti-Complement Factor I antibody



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Overview

Quantity:	0.1 mg
Target:	Complement Factor I (CFI)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Complement Factor I antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Immunohistochemistry (Frozen Sections) (IHC (fro)), Functional Studies (Func)

Product Details

Immunogen:	Native human factor I from serum.
Clone:	3R-8
Isotype:	IgG1
Specificity:	This antibody recognises complement factor I, a member of the peptidase S1 family present in the blood plasma.
Characteristics:	Synonyms: CFI, IF, KAF, AHUS3, C3BINA, C3b-INA, C3B/C4B inactivator
Purification:	Affinity chromatography on Protein A

Target Details

Target:	Complement Factor I (CFI)
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Target Details

Alternative Name:	Complement Factor I (CFI Products)
Background:	Factor I is an 88 kDa protein consisting of one polypeptide chain of 35.4 kDa and one of 27.6 kDa. Factor I is a serine protease which inactivates complement components C3b and C4b. C3b cleavage requires the presence of cofactors complement component (3b/4b) receptor 1 (CR1), membrane cofactor protein or factor H, while C4b cleavage requires complement component 4 binding protein or CR1. Factor I has no natural inhibitors. Dysfunctional factor I can lead to uncontrolled activation of the alternative complement pathway causing in systemic depletion of C3 and lower levels of factors B and H, resulting in recurrent pyogenic infections. Defects in CFI are also associated with haemolytic uraemic syndrome.Synonyms: AHUS3, C3B/C4B inactivator, C3BINA, C3b-INA, CFI, IF, KAF
Gene ID:	3426
UniProt:	P05156
Pathways:	Complement System

Application Details

Application Notes:	ELISA: 1/3000 - 1/4000. Western Blot. Functional Assays. Immunohistochemistry on frozen sections. Recommended Positive Control: Kidney from post streptoccal glomerulonephritis patients. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0mg/mL
Buffer:	Borate buffered saline pH 8.4 containing 0.02 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.

Handling

Shelf life: one year from despatch.

Expiry Date: 12 months