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Product datasheet for AM01334PU-N

Factor H (CFH) Mouse Monoclonal Antibody [Clone ID: 10-10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	10-10
Applications:	ELISA, FC, IHC, WB
Recommended Dilution:	ELISA. Western Blot. Flow Cytometry. Immunohistochemistry on Frozen Sections. Recommended Positive Control: Kidney from post streptoccal glomerulonephritis patients.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified human factor H from serum.
Specificity:	This antibody recognises Complement Factor H which exists in 2 forms.
Formulation:	Borate buffered saline pH 8.4 containing 0.02% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement factor H
Database Link:	Entrez Gene 3075 Human P08603

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Background: Complement factor H exists in 2 forms, the most common form, of 150kDa, and the less common form of 43 kDa. Factor H is secreted by the liver into the blood serum. It is important in regulating the complement pathway, preventing unnecessary inflammation which can damage the host tissue. Factor H functions as a cofactor in the inactivation of C3b by factor I. It makes C3b susceptible to cleavage by factor I, resulting in iC3b. Factor H also inhibits the formation of the C3bBb complex (C3 convertase) and increases the rate of dissociation of both C3 convertase and the (C3b)NBB complex (C5 convertase). This prevents these components of the classical and of alternative complement pathways from forming a positive feedback loop. Mutations in factor H are associated with hemolytic-uremic syndrome, age-related macular degeneration, membranoproliferative glomerulonephritis (MPGN) type II and chronic hypocomplementemic nephropathy.

Synonyms: CFH, HF, HF1, HF2, H factor 1