Mouse Anti-CFH Monoclonal Antibody

Cat. No. DMABT-H19244 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Anti-CFH Monoclonal Antibody
Species	Human
Source	Mouse
Antigen Description	Factor H, a 155 kD soluble glycoprotein, is a member of the regulators of complement activation family and is a complement control protein. It circulates in human plasma at a concentration of 500-800 mg/ml that provides critical negative regulation to the alternative pathway of complement cascade. Factor H is secreted by Kupffer cells, hepatocytes, vascular endothelial cells, and platelets. Overactive factor H may result in reduced complement activity on pathogenic cells, increasing susceptibility to microbial infections. Underactive factor H may result in increased complement activity on healthy host cells, resulting in autoimmune diseases.
Target	CFH
Immunogen	Human Complement Factor H
Isotype	IgG1, kappa
species	Human
Conjugation	N/A

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Applications	ELISA,WB
Preparation	The antibody was purified by affinity chromatography.
Usage recommendation	Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 2-8 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of Factor H recombinant protein ranging from 78 to 5000 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	0.5 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C.
Size	50 µg;500 µg

GENE INFORMATION

Gene Name	CFH complement factor H [Homo sapiens]
Official Symbol	CFH
Synonyms	CFH; complement factor H; H factor2(complement) , HF, HF1, HF2; age related maculopathy susceptibility 1; ARMS1; beta 1H; FHL1; H factor 2 (complement); HUS; beta-1H; factor H; factor H-like 1; beta-1-H-globulin; H factor2(complement); adrenomedullin binding protein; complement factor H, isoform b; age-related maculopathy susceptibility 1; FH; HF; HF1; HF2; AHUS1; AMBP1; ARMD4; CFHL3; MGC88246;
Gene ID	3075

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mRNA Refseq	NM_000186
Protein Refseq	NP_000177
MIM	134370
UniProt ID	P08603
Chromosome Location	1q32
Pathway	Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Regulation of Complement cascade, organism-specific biosystem; Staphylococcus aureus infection, organism-specific biosystem;

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