Human Complement Factor H Alexa Fluor® 532-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 556317

Catalog Number: FAB4779X

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Complement Factor H in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 556317
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Complement Factor H Ser860-Arg1231 Accession # P08603
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Complement Factor H (CFH) is a 155 kDa glycoprotein that negatively regulates the alternative pathway complement cascade. It is secreted by Kupffer cells, hepatocytes, vascular endothelial cells, and platelets and circulates in the serum at high concentration. CFH interacts with cell surface polyanions and prevents local complement activation by sequestering complement component C3b, accelerating the decay of C3 and C5, and functioning as a cofactor for Factor I. CFH is composed of 20 SCR (short consensus repeats). Alternate splicing generates an isoform that is truncated following SCR7. Within SCR5-20 (aa 260-1231), human CFH shares 60% and 62% aa sequence identity with mouse and rat CFH, respectively.

PRODUCT SPECIFIC NOTICES

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