Human Complement Factor H-related 5/CFHR5 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 390513

Catalog Number: FAB3845G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Complement Factor H-related 5/CFHR5 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 390513
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Complement Factor H-related 5/CFHR5 Glu19-Glu569 Accession # Q9BXR6
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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-related protein 5 (FHR-5 or CFHR5) is a 65 kDa member of the factor H-related protein family. It is secreted by the liver and circulates either free or bound to HDL. It is unique among FHR proteins in that it associates with complexes that arise from complement activation. It promotes C3b cleavage and blocks C3 convertase activity. Human CFHR5 is 551 amino acids (aa) in length. It contains nine, 60 aa SUSHI-, or short consensus repeats, plus 18 intrachain disulfide bonds. SUSHI repeats 5-7 (aa 267-444) reportedly mediate CFHR5 binding to CRP and heparin. The complement interaction site(s) is unknown. Human CFHR5 shares 64% aa sequence identity with canine CFHR5.

PRODUCT SPECIFIC NOTICES

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