

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Complement Factor H-related 1/CFHR1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) CFHR2 or rhCFHR5 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 442127
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Complement Factor H-related 1/CFHR1 Glu19-Ala328 Accession # Q03591
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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 1 (CFHR1) is a 43 kDa, secreted member of the factor H family of glycoproteins. It is produced by hepatocytes and circulates as two differentially glycosylated isoforms (37 kDa and 43 kDa). Mature human CFHR1 is 312 aa in length. It contains five approximately 60 aa SCRs (short consensus repeats/CCPs/SUSHI repeats) that basically constitute the entire molecule. CFHR1 may play a role in lipoprotein complexes that bind LPS to neutrophils. There is no reported rodent counterpart to CFHR1. Over aa 19-143 of the CFHR1 precursor, human CFHR2 and CFHR5 show 98% and 86% aa identity, respectively.

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