Human Complement factor H-related protein 2 (CFHR2) ELISA Kit

Catalog No: #EK11648

Package Size: #EK11648-1 48T #EK11648-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Complement factor H-related protein 2 (CFHR2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CFHL2; FHR2; HFL3; H factor (complement)-like 3|factor H-related gene 2
Accession No.	P36980
Uniprot	P36980
GeneID	3080;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.72 mg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CFHR2 in samples. An antibody specific for CFHR2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCFHR2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CFHR2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CFHR2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:FHR2 encodes a serum protein structurally and immunologically related to complement factor H (CFH). Skerka et al. (1995) isolated and characterized the CFHR2 gene from a YAC library.Skerka et al. (1995) determined that the CFHR2 gene contains 5 exons and spans about 7 kb of genomic DNA.Skerka et al. (1995) demonstrated that the CFHR2 gene and the gene for the beta subunit of coagulation factor XIII (F13B) are located in the same 165-kb YAC DNA. Thus, the 3 structurally related genes F13B, CFHR2, and CFH are linked on chromosome 1 in the RCA (regulators of complement activation) gene cluster.The 5 factor H-related proteins have been identified and shown to be encoded by 5 genes, CFHR1, CFHR2, CFHR3 , CFHR4, and CFHR5, all closely linked to the CFH gene on chromosome 1q31-q32.1

Note: This product is for in vitro research use only