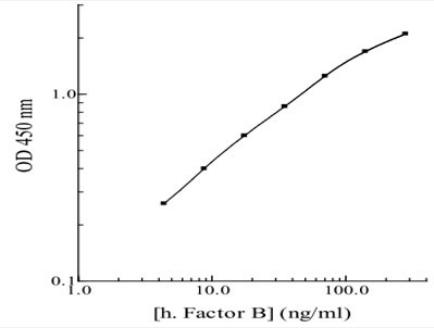
CFB (Human) ELISA Kit

Catalog # KA3816 Size 1 Kit

Applications



The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	CFB (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human CFB.
Suitable Sample	Cell Culture Supernatant, Cell Lysate, CSF, Milk, Plasma, Saliva, Serum
Sample Volume	50 uL
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	2.188 to 140 ng/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store components of the kit at 4°C or -20°C as described in the protocol.

Applications

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- Quantification

Gene Info — CFB

Entrez GeneID	629
Gene Name	CFB
Gene Alias	BF, BFD, CFAB, FB, FBI12, GBG, H2-Bf, PBF2
Gene Description	complement factor B
Omim ID	138470 603075
Gene Ontology	Hyperlink
Gene Summary	This gene encodes complement factor B, a component of the alternative pathway of complement activation. Factor B circulates in the blood as a single chain polypeptide. Upon activation of the alt ernative pathway, it is cleaved by complement factor D yielding the noncatalytic chain Ba and the catalytic subunit Bb. The active subunit Bb is a serine protease which associates with C3b to for m the alternative pathway C3 convertase. Bb is involved in the proliferation of preactivated B lymp hocytes, while Ba inhibits their proliferation. This gene localizes to the major histocompatibility co mplex (MHC) class III region on chromosome 6. This cluster includes several genes involved in re gulation of the immune reaction. Polymorphisms in this gene are associated with a reduced risk o f age-related macular degeneration. The polyadenylation site of this gene is 421 bp from the 5' en d of the gene for complement component 2. [provided by RefSeq
Other Designations	B-factor, properdin|C3 proaccelerator|C3 proactivator|C3/C5 convertase|OTTHUMP0000002928 3|OTTHUMP00000174690|glycine-rich beta-glycoprotein

Publication Reference

- Resveratrol delays polycystic kidney disease progression through attenuation of nuclear factor κB-induced inflammation.

  Wu M, Gu J, Mei S, Xu D, Jing Y, Yao Q, Chen M, Yang M, Chen S, Yang B, Qi N, Hu H, Wuthrich RP and Mei C.

  Nephrology, Dialysis, Transplantation 2016 Apr; 31(11):1826.

  Application: Quan, Human, OX161 cell

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- Genetic variants in five novel loci including CFB and CD40 predispose to chronic hepatitis B.

  Jiang K, Ma XP, Yu H, Cao G, Ding DL, Chen H, Huang HX, Gao YZ, Wu XP, Long XD, Zhang H, Zhang Y, Gao Y, Chen TY, Ren WH, Zhang P, Shi Z, Jiang W, Wan B, Saiyin H, Yin J, Zhou YF, Zhai Y, Lu PX, Zhang H, Gu X, Tan A, Wang JB, Zuo XB, Sun LD, Liu JO, Yi Q, Mo Z, Zhou G, Liu Y, Sun J, Shugart YY, Zheng SL, Zhang XJ, Xu J, Yu L.

  Hepatology (Baltimore, Md.) 2015 Jul; 62(1):118.

  Application: ELISA, Human, Plasma

Pathway

- Complement and coagulation cascades

Disease

- Abortion
- Alzheimer disease
- Ataxia telangiectasia
- Birth Weight
- Cardiovascular Diseases
- Choroid Diseases
- Choroidal Neovascularization
- Choroiditis
- Coronary Disease
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Diseases in Twins
- Edema
- Genetic Predisposition to Disease
- Glioblastoma

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- Glioma
- Hemolytic-Uremic Syndrome
- HIV Infections
- Leukemia
- Lupus Erythematosus
- Lymphoma
- Macular Degeneration
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Multiple Sclerosis
- Neoplasms
- Obesity
- Osteoporosis
- Peripheral Vascular Diseases
- Retinal Diseases
- Retinal Drusen
- Spinocerebellar ataxia
- Vision

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