Complement Factor B (CFB) ELISA Kit for Simian

PRODUCT OVERVIEW

Product Name	Complement Factor B (CFB), ELISA Kit
Full Product Name	Simian Complement Factor B (CFB) ELISA Kit
Product Gene Name	CFB elisa kit
Species Reactivity	Simian
Assay Type	Quantitative Sandwich
Samples	Body fluids, tissue homogenates, secretions or feces samples
Detection Range	15.6ug/ml-500ug/ml
Sensitivity	2.0ug/ml.
Specificity	No significant cross-reactivity or interference between this analyte and analogues is observed.
Preparation and Storage	Store all reagents at 2-8 degree C
Inter-assay Precision	Inter-assay CV (%) is less than 15%. [CV(%) = SD/mean ×100].
Intra-assay Precision	Intra-assay CV (%) is less than 15%
Molecular Weight	85,513 Da
Chromosome Location	Chromosome: 6; NC_006473.3 (32225297..32231135). Location: chromosome: 6
3D Structure	ModBase 3D Structure for Q864W0
Related Product Information for CFB elisa kit	Background/Introduction: This Quantitative Sandwich ELISA kit is only for in vitro research use only! This kit is intended to be used for determination the level of CFB (hereafter termed "analyte") in undiluted original Simian body fluids, tissue homogenates, secretions or feces samples. This kit is NOT suitable for assaying non-biological sources of substances.
Other Notes	Small volumes of CFB elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CFB purchase	MBS9313237 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Complement Factor B (CFB) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CFB. The ELISA analytical biochemical technique of the MBS9313237 kit is based on CFB antibody-CFB antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CFB antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CFB. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CFB. It may not necessarily be applicable to this product.

NCBI GI #	57114202
NCBI GeneID	494140
NCBI Accession #	NP_001009169.1
UniProt Primary Accession #	Q864W0

UniProt Related Accession #	Q864W0
GenBank Nucleotide #	NM_001009169.1
NCBI Official Full Name	complement factor B
NCBI Official Symbol	CFB
NCBI Official Synonym Symbols	BF
UniProt Protein Name	Complement factor B
UniProt Synonym Protein Names	C3/C5 convertase
Protein Family	Complement factor
UniProt Gene Name	CFB
UniProt Synonym Gene Names	BF
UniProt Entry Name	CFAB_PANTR
NCBI Protein Information	complement factor B; C3/C5 convertase
UniProt Comments for CFB	Function: Factor B which is part of the alternate pathway of the complement system is cleaved by factor D into 2 fragments: Ba and Bb. Bb, a serine protease, then combines with complement factor 3b to generate the C3 or C5 convertase. It has also been implicated in proliferation and differentiation of preactivated B-lymphocytes, rapid spreading of peripheral blood monocytes, stimulation of lymphocyte blastogenesis and lysis of erythrocytes. Ba inhibits the proliferation of preactivated B-lymphocytes By similarity. Catalytic activity: Cleavage of Arg-|-Ser bond in complement component C3 alpha-chain to yield C3a and C3b, and Arg-|-Xaa bond in complement component C5 alpha-chain to yield C5a and C5b. Subunit structure: Monomer By similarity. Subcellular location: Secreted. Sequence similarities: Belongs to the peptidase S1 family.Contains 1 peptidase S1 domain.Contains 3 Sushi (CCP/SCR) domains.Contains 1 VWFA domain.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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