Complement Component 2 (C2) ELISA Kit for Donkey

PRODUCT OVERVIEW

Product Name	Complement Component 2 (C2), ELISA Kit
Full Product Name	Donkey Complement Component 2 ELISA Kit
Product Gene Name	C2 elisa kit
Species Reactivity	Donkey
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	67,047 Da
OMIM	120960
3D Structure	ModBase 3D Structure for P07358
Related Product Information for C2 elisa kit	MBS063515 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Complement Component 2 (C2) 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 C2. The ELISA analytical biochemical technique of the MBS063515 kit is based on C2 antibody-C2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect C2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, C2. 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(%).
Other Notes	Small volumes of C2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C2. It may not necessarily be applicable to this product.

NCBI GI #	514239918
NCBI GeneID	732
NCBI Accession #	NP_001265472.1
UniProt Primary Accession #	P07358
UniProt Secondary Accession #	A1L4K7
UniProt Related Accession #	P07358
GenBank Nucleotide #	NM_001278543.1
NCBI Official Full Name	complement component C8 beta chain isoform 2
NCBI Official Synonym Full Names	complement component 8, beta polypeptide
NCBI Official Symbol	C8B
NCBI Official Synonym Symbols	C82
UniProt Protein Name	Complement component C8 beta chain
UniProt Synonym Protein Names	Complement component 8 subunit beta
Protein Family	Chalcone synthase

UniProt Gene Name	C8B
UniProt Entry Name	CO8B_HUMAN
NCBI Protein Information	complement component C8 beta chain; complement component 8 subunit beta
NCBI Summary for C2	This gene encodes one of the three subunits of the complement component 8 (C8) protein. C8 is composed of equimolar amounts of alpha, beta and gamma subunits, which are encoded by three separate genes. C8 is one component of the membrane attack complex, which mediates cell lysis, and it initiates membrane penetration of the complex. This protein mediates the interaction of C8 with the C5b-7 membrane attack complex precursor. In humans deficiency of this protein is associated with increased risk of meningococcal infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]
UniProt Comments for C2	C8B: Constituent of the membrane attack complex (MAC) that plays a key role in the innate and adaptive immune response by forming pores in the plasma membrane of target cells. Defects in C8B are a cause of complement component 8 deficiency type 2 (C8D2). A rare defect of the complement classical pathway associated with susceptibility to severe recurrent infections, predominantly by Neisseria gonorrhoeae or Neisseria meningitidis. Belongs to the complement C6/C7/C8/C9 family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 1p32.2 Cellular Component: membrane attack complex; extracellular space; membrane; extracellular region; vesicle Molecular Function: protein complex binding Biological Process: cytolysis; complement activation, alternative pathway; regulation of complement activation; innate immune response; immune response; complement activation, classical pathway; complement activation Disease: Complement Component 8 Deficiency, Type Ii
Research Articles on C2	**1.** Observational study of gene-disease association and gene-gene interaction. (HuGE Navigator)
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