Complement Component 7 (C7) ELISA Kit for Porcine

PRODUCT OVERVIEW

Product Name	Complement Component 7 (C7), ELISA Kit
Full Product Name	Porcine Complement Component 7 (C7) ELISA Kit
Product Gene Name	C7 elisa kit
Species Reactivity	Porcine
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	93,518 Da
OMIM	gene 610102
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for C7 elisa kit	MBS263524 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Complement Component 7 (C7) 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 C7. The ELISA analytical biochemical technique of the MBS263524 kit is based on C7 antibody-C7 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect C7 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, C7. 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 C7 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 C7. It may not necessarily be applicable to this product.

NCBI GI #	39645843
NCBI GeneID	730
NCBI Accession #	AAH63851.1
UniProt Secondary Accession #	Q6P3T5; Q92489
UniProt Related Accession #	P10643
NCBI Official Full Name	Complement component 7
NCBI Official Synonym Full Names	complement component 7
NCBI Official Symbol	C7
UniProt Protein Name	Complement component C7
Protein Family	Complement component
UniProt Gene Name	C7
UniProt Entry Name	CO7_HUMAN
NCBI Protein Information	complement component C7

NCBI Summary for C7	C7 is a component of the complement system. It participates in the formation of Membrane Attack Complex (MAC). People with C7 deficiency are prone to bacterial infection. [provided by RefSeq, Jul 2008]
UniProt Comments for C7	C7: 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. C7 serves as a membrane anchor. Defects in C7 are a cause of complement component 7 deficiency (C7D). 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, signal peptide; Secreted Chromosomal Location of Human Ortholog: 5p13 Cellular Component: membrane attack complex; extracellular region Biological Process: cellular sodium ion homeostasis; cytolysis; complement activation, alternative pathway; regulation of complement activation; innate immune response; complement activation, classical pathway; complement activation Disease: Complement Component 7 Deficiency
Research Articles on C7	**1.** Borrelial CspA binds the human terminal complement components C7 and C9 and blocks assembly and membrane insertion of the terminal complement complex (TCC).
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