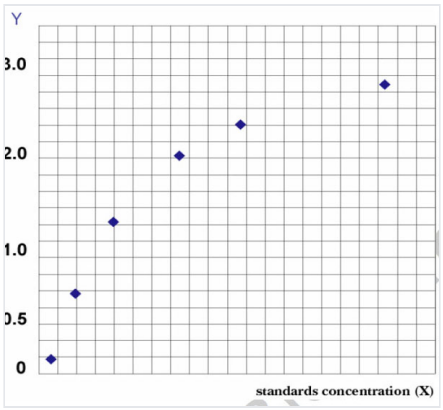
Complement Component 9 (C9) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Complement Component 9 (C9), ELISA Kit
Full Product Name	Human Complement Component 9 ELISA Kit
Product Gene Name	C9 elisa kit
Species Reactivity	Human
Assay Type	Competitive or Sandwich
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	25-500ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	2,706 Da
3D Structure	ModBase 3D Structure for Q9UGI4
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Highest Standards	500 ng/mL
Concentration of Standards	Concentration of Standards||0,25,50,100,250,500 ng/mL
Product Categories/Family for C9 elisa kit	Immunology
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for C9 elisa kit	MBS724371 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Complement Component 9 (C9) 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 C9. The ELISA analytical biochemical technique of the MBS724371 kit is based on C9 antibody-C9 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect C9 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, C9. 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 C9 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.



Typical Testing Data/Standard Curve (for reference only) of C9 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C9. It may not necessarily be applicable to this product.

NCBI GI #	6706618
NCBI GeneID	735
NCBI Accession #	CAB66087.1
UniProt Primary Accession #	Q9UGI4
UniProt Related Accession #	P02748
NCBI Official Full Name	complement component 9, partial
NCBI Official Synonym Full Names	complement component 9
NCBI Official Symbol	C9
NCBI Official Synonym Symbols	C9D; ARMD15
UniProt Protein Name	Complement component 9
UniProt Synonym Protein Names	Complement component 9
Protein Family	Complement component
UniProt Gene Name	C9
UniProt Entry Name	Q9UGI4_HUMAN
NCBI Protein Information	complement component C9
NCBI Summary for C9	This gene encodes the final component of the complement system. It participates in the formation of the Membrane Attack Complex (MAC). The MAC assembles on bacterial membranes to form a pore, permitting disruption of bacterial membrane organization. Mutations in this gene cause component C9 deficiency. [provided by RefSeq, Feb 2009]

UniProt Comments for C9	C9: 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. C9 is the pore-forming subunit of the MAC. Defects in C9 are a cause of complement component 9 deficiency (C9D). 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: Extracellular matrix; Membrane protein, integral; Apoptosis; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 5p14-p12 Cellular Component: membrane attack complex; integral to plasma membrane; cytoplasm; extracellular region; plasma membrane Biological Process: complement activation, alternative pathway; regulation of complement activation; innate immune response; hemolysis by symbiont of host red blood cells; complement activation, classical pathway Disease: Macular Degeneration, Age-related, 15; Complement Component 9 Deficiency
Research Articles on C9	**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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