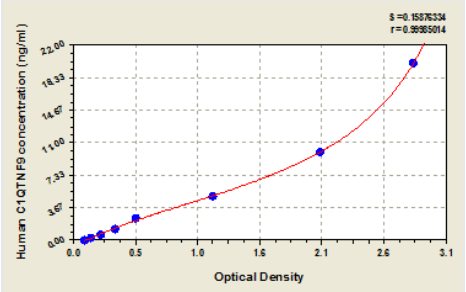
C1q and Tumor Necrosis Factor Related Protein 9 (C1QTNF9) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	C1q and tumor necrosis factor related protein 9 (C1QTNF9), ELISA Kit
Full Product Name	Human Complement C1q tumor necrosis factor-related protein 9A, C1QTNF9 ELISA Kit
Product Gene Name	C1QTNF9 elisa kit
Product Synonym Names	Human Complement C1q tumor necrosis factor-related protein 9A (C1QTNF9) ELISA kit; RP11-307N16.1; C1QTNF9A; CTRP9; MGC48915; OTTHUMP00000018124; C1q and tumor necrosis factor related protein 9
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	0.312 ng/ml -20 ng/ml.
Sensitivity	The minimum detectable dose of human C1QTNF9 is typically less than 0.078 ng/ml.The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Specificity	This assay has high sensitivity and excellent specificity for detection of human C1QTNF9. No significant cross-reactivity or interference between human C1QTNF9 and analogues was observed.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Molecular Weight	34,681 Da
OMIM	614285
3D Structure	ModBase 3D Structure for P0C862
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for C1QTNF9 elisa kit	**Principle of the assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for C1QTNF9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any C1QTNF9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for C1QTNF9 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of C1QTNF9 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Other Notes	Small volumes of C1QTNF9 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 C1QTNF9 purchase	MBS919879 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the C1q and tumor necrosis factor related protein 9 (C1QTNF9) 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 C1QTNF9. The ELISA analytical biochemical technique of the MBS919879 kit is based on C1QTNF9 antibody-C1QTNF9 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect C1QTNF9 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, C1QTNF9. 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(%).



Typical Testing Data/Standard Curve (for reference only) of C1QTNF9 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C1QTNF9. It may not necessarily be applicable to this product.

NCBI GI #	65301115
NCBI GeneID	338872
NCBI Accession #	NP_848635.2
UniProt Primary Accession #	P0C862
UniProt Secondary Accession #	Q0VGC5; Q5VX65; Q5VX66; Q8IUU4; A2A3T6
UniProt Related Accession #	P0C862
GenBank Nucleotide #	NM_178540.3
NCBI Official Full Name	complement C1q and tumor necrosis factor-related protein 9A
NCBI Official Synonym Full Names	C1q and tumor necrosis factor related protein 9
NCBI Official Symbol	C1QTNF9
NCBI Official Synonym Symbols	AQL1; CTRP9; C1QTNF9A
UniProt Protein Name	Complement C1q and tumor necrosis factor-related protein 9A
UniProt Synonym Protein Names	Complement C1q and tumor necrosis factor-related protein 9
Protein Family	Complement C1q and tumor necrosis factor-related protein
UniProt Gene Name	C1QTNF9
UniProt Synonym Gene Names	C1QTNF9A; UNQ6503/PRO21380
UniProt Entry Name	C1T9A_HUMAN
NCBI Protein Information	complement C1q and tumor necrosis factor-related protein 9A; complement C1q tumor necrosis factor-related protein 9; complement C1q tumor necrosis factor-related protein 9A

UniProt Comments for C1QTNF9	C1QTNF9: Probable adipokine. Activates AMPK, AKT, and p44/42 MAPK signaling pathways. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 13q12.12 Cellular Component: collagen; extracellular region Molecular Function: hormone activity
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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