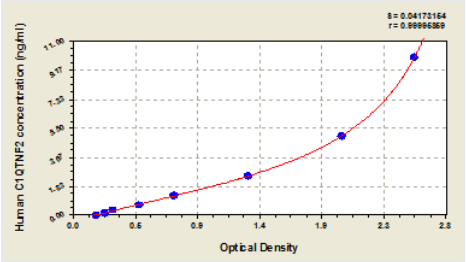
C1q and Tumor Necrosis Factor Related Protein 2 (C1QTNF2) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	C1q and tumor necrosis factor related protein 2 (C1QTNF2), ELISA Kit
Full Product Name	Human Complement C1q tumor necrosis factor-related protein 2, C1QTNF2 ELISA Kit
Product Gene Name	C1QTNF2 elisa kit
Product Synonym Names	Human Complement C1q tumor necrosis factor-related protein 2 (C1QTNF2) ELISA kit; CTRP2; zacrp2; complement-c1q tumor necrosis factor-related protein 2; C1q and tumor necrosis factor related protein 2
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	0.156 ng/ml -10 ng/ml
Sensitivity	0.039 ng/ml
Specificity	This assay has high sensitivity and excellent specificity for detection of human C1QTNF2. No significant cross-reactivity or interference between human C1QTNF2 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	29,952 Da
3D Structure	ModBase 3D Structure for Q9BXJ5
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for C1QTNF2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for C1QTNF2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any C1QTNF2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for C1QTNF2 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 C1QTNF2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Other Notes	Small volumes of C1QTNF2 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 C1QTNF2 purchase	MBS941508 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 2 (C1QTNF2) 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 C1QTNF2. The ELISA analytical biochemical technique of the MBS941508 kit is based on C1QTNF2 antibody-C1QTNF2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect C1QTNF2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, C1QTNF2. 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 C1QTNF2 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C1QTNF2. It may not necessarily be applicable to this product.

NCBI GI #	94818738
NCBI GeneID	114898
NCBI Accession #	NP_114114.2
UniProt Primary Accession #	Q9BXJ5
UniProt Related Accession #	Q9BXJ5
GenBank Nucleotide #	NM_031908.4
NCBI Official Full Name	complement C1q tumor necrosis factor-related protein 2
NCBI Official Synonym Full Names	C1q and tumor necrosis factor related protein 2
NCBI Official Symbol	C1QTNF2
NCBI Official Synonym Symbols	CTRP2; zacrp2
UniProt Protein Name	Complement C1q tumor necrosis factor-related protein 2
Protein Family	Complement C1q tumor necrosis factor-related protein
UniProt Gene Name	C1QTNF2
UniProt Synonym Gene Names	CTRP2; UNQ6349/PRO21054
UniProt Entry Name	C1QT2_HUMAN
NCBI Protein Information	complement C1q tumor necrosis factor-related protein 2; complement-c1q tumor necrosis factor-related protein 2
UniProt Comments for C1QTNF2	C1QTNF2: May interact with FAM132B Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 5q33.3 Cellular Component: extracellular space; collagen Molecular Function: identical protein binding; receptor binding Biological Process: positive regulation of glucose import; activation of MAPK activity; positive regulation of fatty acid oxidation; positive regulation of glycogen biosynthetic process; protein homooligomerization
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