

Rabbit Connective Tissue Growth Factor (CTGF) ELISA Kit | CTGF elisa kit

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CATALOG #
AAA137793

REACTIVITY
Rabbit

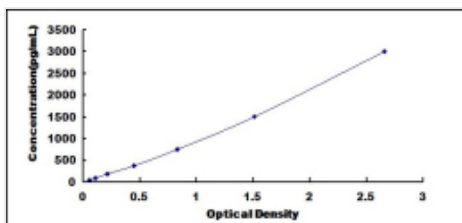
PRODUCT SYNONYMS

Connective Tissue Growth Factor (CTGF); Rabbit Connective Tissue Growth Factor (CTGF) ELISA Kit; CCN2; HCS24; IGFBP8; NOV2; Insulin-Like Growth Factor-Binding Protein 8; Hypertrophic Chondrocyte-Specific Protein 24; CCN Family Member 2; CTGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of Connective Tissue Growth Factor (CTGF). No significant cross-reactivity or interference between Connective Tissue Growth Factor (CTGF) and analogues was observed.
Sequence Length	322
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	7.8-500pg/mL
Sensitivity	3.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Connective Tissue Growth Factor (CTGF) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Connective Tissue Growth Factor (CTGF) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTGF elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Connective Tissue Growth Factor (CTGF). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Connective Tissue Growth Factor (CTGF). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Connective Tissue Growth Factor (CTGF), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Connective Tissue Growth Factor (CTGF) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CTGF elisa kit	Cytokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	180924
NCBI GeneID	1490
UniProt Accession #	P29279; Q6LCY0; Q96A79; Q96QX2; Q9UDL6; E1P578
Molecular Weight	35,205 Da
NCBI Official Full Name	connective tissue growth factor
NCBI Official Synonym Full Names	connective tissue growth factor
NCBI Official Symbol	CTGF
NCBI Official Synonym Symbols	CCN2; NOV2; HCS24; IGFBP8
NCBI Protein Information	connective tissue growth factor
UniProt Protein Name	Connective tissue growth factor
UniProt Gene Name	CTGF
UniProt Synonym Gene Names	CCN2; HCS24; IGFBP8; IBP-8; IGF-binding protein 8; IGFBP-8
UniProt Entry Name	CTGF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rabbit-elisa-kits/connective-tissue-growth-factor-ctgf/137793>