

Rat Connective Tissue Growth Factor (CTGF) CLIA Kit | CTGF clia kit

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CATALOG #
AAA130003

REACTIVITY
Rat

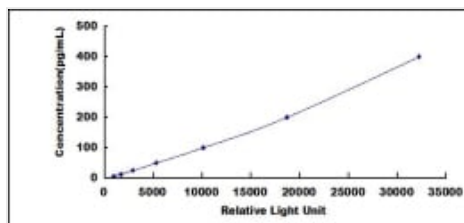
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	349
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	5.49-4000pg/mL
Sensitivity	1.99pg/mL
Application	Chemiluminescent immunoassay 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 clia kit	The microplate 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 microplate 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. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Connective Tissue Growth Factor (CTGF) level in the sample or standard.;
Product Categories/Family for CTGF clia 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://stage.aaabiotech.com/rat-clia-kits/connective-tissue-growth-factor-ctgf/130003>