

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

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CATALOG # AAA188775	REACTIVITY Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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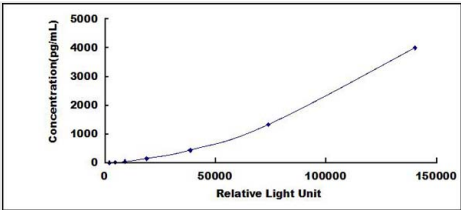
PRODUCT SYNONYMS

Connective Tissue Growth Factor (CTGF); Rat Connective Tissue Growth Factor (CTGF) CLIA Kit; Connective Tissue Growth Factor; 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	347
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	The minimum detectable dose of this kit is typically less than 1.99pg/mL
Applicable Applications for CTGF clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	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%
Test Principle	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.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	11560085
NCBI GeneID	64032
NCBI Accession #	NP_071602.1
NCBI GenBank Nucleotide #	NP_071602.1
UniProt Accession #	Q9R1E9
NCBI Official Full Name	CCN family member 2
NCBI Official Synonym Full Names	cellular communication network factor 2
NCBI Official Symbol	Ccn2
NCBI Official Synonym Symbols	Ctgf; CTGRP
NCBI Protein Information	CCN family member 2
UniProt Protein Name	Connective tissue growth factor
UniProt Gene Name	Ctgf
UniProt Synonym Gene Names	Ccn2
UniProt Entry Name	CTGF_RAT

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.