

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

CLIA Kit for Connective Tissue Growth Factor (CTGF)

CATALOG #
AAA129875

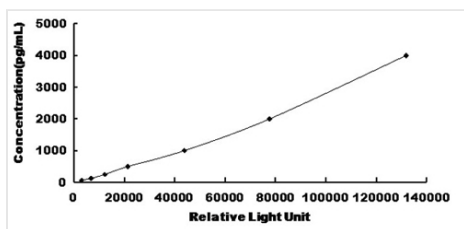
PRODUCT SYNONYMS

Connective Tissue Growth Factor (CTGF); CLIA Kit for Connective Tissue Growth Factor (CTGF); CTGF clia kit

PRODUCT SPECIFICATIONS

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	Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	5.487-4000pg/mL. The standard curve concentrations used for the ELISA's were 4000pg/mL, 1333.33pg/mL, 444.44pg/mL, 148.15pg/mL, 49.383pg/mL, 16.461pg/mL, 5.487pg/mL.
Sensitivity	The minimum detectable dose of this kit is typically less than 14.23pg/mL.
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. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Organism Species	Capra hircus; Caprine (Goat)
Assay Length	4.5 hours
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 microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated secondary antibody. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	180924
NCBI GeneID	1490
UniProt Accession #	P29279; Q6LCY0; Q96A79; Q96QX2; Q9UDL6; E1P578
Molecular Weight	38,091 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; IBP-8; IGFBP-8; CCN family member 2; IGF-binding protein 8; hypertrophic chondrocyte-specific protein 24; insulin-like growth factor-binding protein 8
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.