

Rat Connective tissue growth factor ELISA Kit | Ctgf elisa kit

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CATALOG #
AAA97961

REACTIVITY
Rat

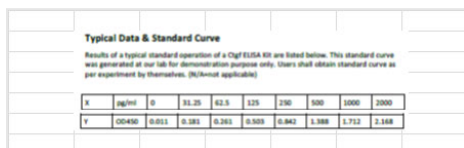
PRODUCT SYNONYMS

Connective tissue growth factor; Rat Connective tissue growth factor ELISA Kit; Ctgf/CCN2/HCS24/IGFBP-8/NOV2/CCN2IGFBP-8/HCS24/Hypertrophic chondrocyte-specific protein 24/IBP-8/IGF-binding protein 8/IGFBP8CCN family member 2/Insulin-like growth factor-binding protein 8/MGC102839; Ctgf elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Ctgf . No significant cross-reactivity or interference between Ctgf and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between Ctgf and all the analogues, therefore, cross reaction may still exist.
Sequence Length	349
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Ctgf were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Ctgf were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ctgf elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- Ctgf antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- Ctgf antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Ctgf amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Ctgf can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	180924
NCBI GeneID	1490
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/ctgf-rat-elisa-kits/connective-tissue-growth-factor/97961>