

Human Connective tissue growth factor ELISA Kit | CTGF elisa kit

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CATALOG #
AAA98797

REACTIVITY
Human

PRODUCT SYNONYMS

Connective tissue growth factor; Human Connective tissue growth factor ELISA Kit; CTGF (Connective tissue growth factor)/IGFBP8/CCN2/HCS24/IGFBP-8/IBP-8/NOV2/Hypertrophic chondrocyte-specific protein 24/IGF-binding protein 8/CCN family member 2/Insulin-like growth factor-binding protein 8; CTGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CSF1R. No significant cross-reactivity or interference between CSF1R and analogues was observed.
Sequence Length	349
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CSF1R 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 CSF1R 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

Typical Data & Standard Curve

Results of a typical standard operation of a CTGF ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	pg/ml	0	62.5	125	250	500	1000	2000	4000
Y	OD450	0.116	0.294	0.394	0.626	0.902	1.214	1.742	2.368

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-CSF1R antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-CSF1R 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. HRP-Streptavidin 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 CSF1R amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CSF1R 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-human-elisa-kits/connective-tissue-growth-factor/98797>