

Canine Connective Tissue Growth Factor ELISA Kit | CTGF elisa kit

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CATALOG #
AAA92444

REACTIVITY
Canine

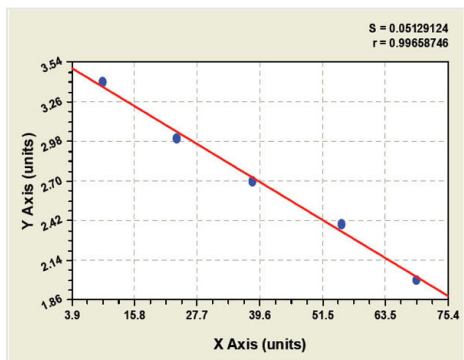
PRODUCT SYNONYMS

Connective Tissue Growth Factor; Canine Connective Tissue Growth Factor ELISA Kit; CTGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTGF elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This CTGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CTGF. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY CTGF ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CTGF antibody and an CTGF-HRP conjugate. The assay sample and buffer are incubated together with CTGF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CTGF concentration since CTGF from samples and CTGF-HRP conjugate compete for the anti-CTGF antibody binding site. Since the number of sites is limited, as more sites are occupied by CTGF from the sample, fewer sites are left to bind CTGF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTGF concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CTGF elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503123
NCBI GeneID	1490
NCBI Accession #	NP_001892.1
NCBI GenBank Nucleotide #	NM_001901.2
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; 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.

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Online datasheet: <https://www.aaabiotech.com/ctgf-canine-elisa-kits/connective-tissue-growth-factor/92444>