

## ARG82612 Human CTGF ELISA Kit

Package: 96 wells

Store at: 4°C

### Summary

Product Description	ARG82612 Human CTGF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CTGF in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	This kit could assay both natural and recombinant Human CTGF.  No significant cross-reactivity or interference was observed in the following samples: Human: IFN gamma, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL17A, IL18, IL21, IL22, IL23, MCP1, TGF beta 1, TNF alpha and VEGF. Mouse: IFN gamma, IL1 beta, IL2, IL4, IL6, IL10, IL17A and TNF alpha. Rat: IFN gamma, IL1 beta, IL4, IL6, IL10 and TNF alpha.
Target Name	CTGF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.3 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	50 - 100 µl
Precision	Intra-Assay CV: 5.8% Inter-Assay CV: 6.9%
Alternate Names	Insulin-like growth factor-binding protein 8; IGFBP-8; CCN2; IBP-8; HCS24; Connective tissue growth factor; IGF-binding protein 8; CCN family member 2; IGFBP8; Hypertrophic chondrocyte-specific protein 24; NOV2

### Application Instructions

Assay Time	~ 3.5 hours
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### Properties

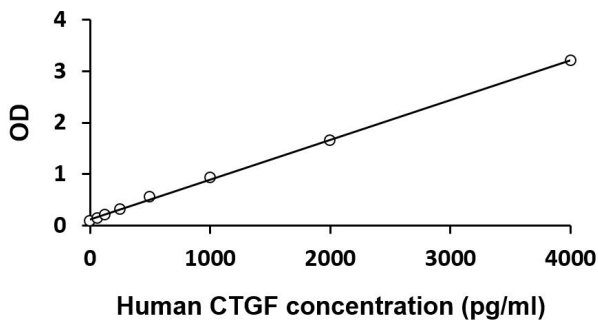
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	CTGF
Gene Full Name	connective tissue growth factor
Background	The protein encoded by this gene is a mitogen that is secreted by vascular endothelial cells. The encoded protein plays a role in chondrocyte proliferation and differentiation, cell adhesion in many cell types, and is related to platelet-derived growth factor. Certain polymorphisms in this gene have been linked with a higher incidence of systemic sclerosis. [provided by RefSeq, Nov 2009]
Function	Major connective tissue mitogen secreted by vascular endothelial cells. Promotes proliferation and differentiation of chondrocytes. Mediates heparin- and divalent cation-dependent cell adhesion in many cell types including fibroblasts, myofibroblasts, endothelial and epithelial cells. Enhances fibroblast growth factor-induced DNA synthesis. [UniProt]
Highlight	Related products: <a href="#">CTGF antibodies</a> ; <a href="#">CTGF ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
Cellular Localization	Secreted, extracellular space, extracellular matrix. Secreted. [UniProt]

## Images

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ARG82612 Human CTGF ELISA Kit standard curve image

ARG82612 Human CTGF ELISA Kit results of a typical standard run with optical density reading at 450 nm.