

PRODUCT DATA SHEET

Connective Tissue Growth Factor Human, Sheep Polyclonal Antibody

Cat. No.: RD184035100**Size:** 0.1 mg**Source of Antigen:** HEK293**Type:** Polyclonal Antibody**Host:** Sheep**Isotype:** IgG**Other Names:**

Hypertrophic chondrocyte-specific protein 24, Insulin-like growth factor-binding protein 8, IGF-binding protein 8, IGFBP-8, IBP-8, CCN family member 2, CTGF, CCN2, HCS24

Preparation:

The antibody was raised in sheep by immunization with the recombinant Human CTGF.

Amino Acid Sequence of Immunogen:

Recombinant Human CTGF, total 329 AA, UniProt P29279 (Gln27-Ala349). MW: 36 kDa (calculated). C-Terminal His-tag, 6 extra AA.

QNCSGPCRCP DEPAPRCPAG VSLVLDGCGC CRVCAKQLGE LCTERDPCDP HKGLFCHFSG
PANRKIGVCT AKDGAPCIFG GTVYRSGESF QSSCKYQCTC LDGAVGCMP L CSMDVRLPSP
DCPFPRRVKL PGKCCEEWVC DEPKDQTVVG PALAAYRLED TFGPDPTMIR ANCLVQTTEW
SACSKTCGMG ISTRVTNDNA SCRLEKQSRL CMVRPCEADL EENIKKGKKC IRTPKISKPI
KFELSGCTSM KTYRAKFCGV CTDGRCCTPH RTTTLPVEFK CPDGEVMKKN MMFIKTCACH
YNCPGDNDIF ESLYRKMVG DMAHHHHHH

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human CTGF.

Species Reactivity:

Human. Not yet tested in other species.

Antibody Content:

0.1 mg (determined by BCA method, BSA was used as a standard)

Formulation:

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2.

Reconstitution:

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

The lyophilized antibody remains stable and fully active until the expiry date when stored at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after one week at 4°C.

Quality Control:

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

Applications:

ELISA

Note:

This product is for research use only.