

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CTGF C-terminal peptide in direct ELISAs. Does not cross-react with recombinant human (rh) LDGF, rhNOV, rhPDGF, rhPIGF, rhVEGF <sub>206</sub> , rhVEGF-B <sub>186</sub> , rhVEGF-C, rhVEGF-D, or rhWISP-1.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 88430
<b>Purification</b>	Protein A or G purified from ascites
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human CTGF Glu247-Ala349 Accession # NP_001892.1
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

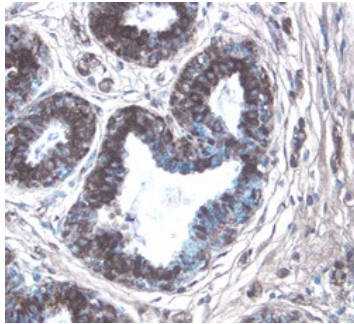
## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Immunohistochemistry</b>	8-25 µg/mL	See Below

## DATA

### Immunohistochemistry



**CTGF/CCN2 in Human Breast Cancer Tissue.** CTGF/CCN2 was detected in immersion fixed paraffin-embedded sections of human breast cancer tissue using 25 µg/mL Human CTGF/CCN2 C-Terminus Monoclonal Antibody (Catalog # MAB660) overnight at 4 °C. Tissue was stained with the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

CTGF belongs to the CCN (CYR61/CTGF/NOV) family of secreted proteins that share a common multimodular organization. Each protein contains IGF-binding protein domain, a von Willebrand factor type C domain, a thrombospondin type I domain, and a cysteine knot domain. The multimodular CTGF has the ability to bind multiple ligands and has numerous effects on development, differentiation, and disease. The C-terminal cysteine knot motif contains the heparin and low density lipoprotein receptor (LDLR) binding sites that contributes to the adhesive and mitogenic properties of CTGF.