**DESCRIPTION**

<table>
<thead>
<tr>
<th>Species Reactivity</th>
<th>Human</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
<td>Monoclonal Mouse IgG, Clone # 88430</td>
</tr>
<tr>
<td>Purification</td>
<td>Protein A or G purified from ascites</td>
</tr>
<tr>
<td>Immunogen</td>
<td>E. coli-derived recombinant human CTGF Glu247-Ala349 Accession # NP_001892.1</td>
</tr>
<tr>
<td>Formulation</td>
<td>Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Recommended</th>
<th>Concentration</th>
<th>Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immunohistochemistry</td>
<td>8-25 μg/mL</td>
<td>See Below</td>
</tr>
</tbody>
</table>

**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**

Reconstitution: Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

**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.