

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Chromogranin B in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 914334
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant human Chromogranin B Met1-Gly677 Accession # P05060
<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 either lyophilized or as a 0.2 µm filtered solution in PBS.

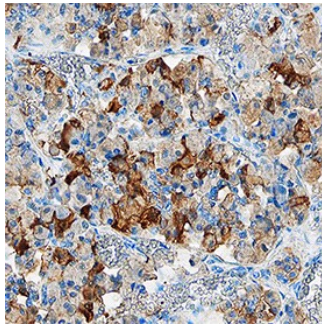
## APPLICATIONS

**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



**Chromogranin B in Human Pituitary Gland.** Chromogranin B was detected in immersion fixed paraffin-embedded sections of human pituitary gland using Mouse Anti-Human Chromogranin B Monoclonal Antibody (Catalog # MAB8868) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to epithelial cells. 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

Chromogranin B (CHGB), also known as Secretogranin-1, is a 673 amino acid neuroendocrine secretory granule protein which is cleaved into three fragments: PE-11 (aa 575-585), GAWK peptide (aa 440-513) and CCB peptide (617-673). Human CHGB was originally isolated from human pheochromocytoma tissue, and is expressed in normal and malignant neuroendocrine tissues. CHGB peptides play a role in hormonal regulation in pancreatic islets, hypothalamus and pituitary gland. CHGB peptides, (aa 314-332 and 350-365) have been identified in several endocrine tumors including, gastrinoma, thyroid carcinoma, insulinoma, pancreatic endocrine tumor and pituitary adenomas.