

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Chromogranin B in direct ELISAs.
Source	Recombinant Monoclonal Mouse IgG ₁ Clone # 914316R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Chromogranin B Met1-Gly677 Accession # P05060
Formulation	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.

ELISA	This antibody functions as an ELISA capture antibody when paired with Mouse Anti-Human Chromogranin B Monoclonal Antibody (Catalog # MAB88681). <i>This product is intended for assay development on various assay platforms requiring antibody pairs.</i>
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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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 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

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.