

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Chromogranin B in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 914334
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Chromogranin B Met1-Gly677 Accession # P05060
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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