

# **Human Chromogranin A Antibody**

Monoclonal Mouse IgG<sub>1</sub> Clone # 948130 Catalog Number: MAB90982

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human Chromogranin A in direct ELISAs.
Source	Monoclonal Mouse IgG <sub>1</sub> Clone # 948130
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived human Chromogranin A Met1-Gly457 Accession # P10645
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

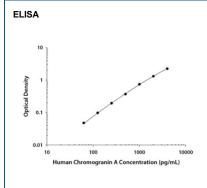
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

ELISA

This antibody functions as an ELISA detection antibody when paired with Mouse Anti-Human Chromogranin A Monoclonal Antibody (Catalog # MAB9098).

This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human Chromogranin A DuoSet ELISA Kit (Catalog # DY9098-05) for convenient development of a sandwich ELISA.

#### DATA



Human Chromogranin A ELISA Standard Curve. Recombinant Human Chromogranin A protein was serially diluted 2-fold and captured by Mouse Anti-Human Chromogranin A Monoclonal Antibody (Catalog # MAB9098) coated on a Clear Polystyrene Microplate (Catalog # DY990). Mouse Anti-Human Chromogranin A Monoclonal Antibody (Catalog # MAB90982) was biotinylated and incubated with the protein captured on the plate. Detection of the standard curve was achieved by incubating Streptavidin-HRP (Catalog # DY998) followed by Substrate Solution (Catalog # DY999) and stopping the enzymatic reaction with Stop Solution (Catalog #

## 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  $^\circ$ C

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

Human Chromogranin A (CHGA) an acidic protein and a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. It is located in secretory vesicles of neurons and endocrine cells such as islet beta cell secretory granules in pancreas. Chromogranin A expression has been oberserved in neuroendocrine tumors, medullary thyroid carcinoma, as well as carcinoid tumors.

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