

Human Pro-Gastrin-Releasing Peptide (ProGRP) ELISA Kit | ProGRP elisa kit

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CATALOG #
AAA331312

REACTIVITY
Human

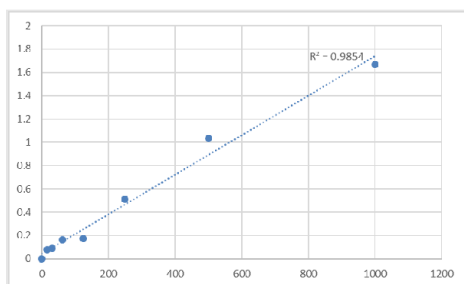
PRODUCT SYNONYMS

Pro-Gastrin-Releasing Peptide (ProGRP); Human Pro-Gastrin-Releasing Peptide (ProGRP) ELISA Kit; ProGRP; Pro-GRP; ProGRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Pro-gastrin-releasing peptide (ProGRP) ELISA Kit has high sensitivity and excellent specificity for detection of Human ProGRP. No significant cross-reactivity or interference between Human ProGRP and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Pro-gastrin-releasing peptide (ProGRP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ProGRP elisa kit	Description: This Human Pro-gastrin-releasing peptide (ProGRP) ELISA Kit employs a two-site sandwich ELISA to quantitate ProGRP in samples. An antibody specific for ProGRP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ProGRP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ProGRP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ProGRP bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Pro-gastrin-releasing peptide (ProGRP) was the new prognostic marker of lung cancer. PreproGRP begins with signal peptidase cleavage to generate the proGRP, which is then processed (by proteolytic cleavages), to form smaller GRP peptides. PreproGRP begins with signal peptidase cleavage to generate the proGRP, which is then processed (by proteolytic cleavages), to form smaller GRP peptides. These smaller peptides are released by the post-ganglionic fibers of the vagus nerve which innervate the G cells of the stomach and stimulate them to release gastrin. GRP regulates numerous functions of the gastrointestinal and central nervous systems, including release of gastrointestinal hormones, smooth muscle cell contraction, and epithelial cell proliferation. These peptides are also likely to play a role in human cancers of the lung, colon, stomach, pancreas, breast, and prostate.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/pro-gastrin-releasing-peptide-progrp/331312>