

Human gastrin-releasing peptide ELISA Kit | GRP elisa kit

Human gastrin-releasing peptide, GRP ELISA Kit

CATALOG #
AAA79555

REACTIVITY
Human

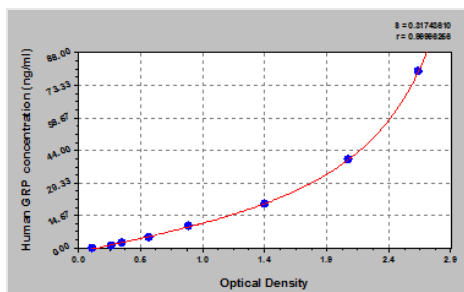
PRODUCT SYNONYMS

gastrin-releasing peptide; Human gastrin-releasing peptide; GRP ELISA Kit; BN; GRP-10; preproGRP; proGRP; bombesin; neuromedin C; pre-progastrin releasing peptide; GRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GRP. No significant cross-reactivity or interference between human GRP and analogues was observed.
Sequence Length	141
Samples	Serum, cell culture supernates and tissue homogenates.
Assay Type	Sandwich
Detection Range	1.25 ng/ml -80 ng/ml.
Sensitivity	0.312 ng/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRP elisa kit	Principle of the Assay This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GRP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GRP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GRP is added to the wells. After washing, avidin 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 GRP bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	60498997
NCBI GeneID	2922
NCBI Accession #	NP_001012530.1
NCBI GenBank Nucleotide #	NM_001012512.1
UniProt Accession #	P07492; P07491; P81553; Q14454; Q53YA0; Q9BSY7
Molecular Weight	16,213 Da
NCBI Official Full Name	gastrin-releasing peptide isoform 2 preproprotein
NCBI Official Synonym Full Names	gastrin-releasing peptide
NCBI Official Symbol	GRP
NCBI Official Synonym Symbols	BN; GRP-10; proGRP; preproGRP
NCBI Protein Information	gastrin-releasing peptide; bombesin; prepro-GRP; neuromedin C; pre-progastrin releasing peptide
UniProt Protein Name	Gastrin-releasing peptide
UniProt Gene Name	GRP
UniProt Synonym Gene Names	GRP
UniProt Entry Name	GRP_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/grp-human-elisa-kits/gastrin-releasing-peptide/79555>