

Human Gastrin Releasing Peptide (GRP) ELISA Kit | GRP elisa kit

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CATALOG #
AAA182335

REACTIVITY
Human

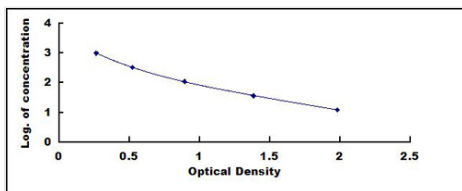
PRODUCT SYNONYMS

Gastrin Releasing Peptide (GRP); Human Gastrin Releasing Peptide (GRP) ELISA Kit; BN; GRP10; Bombesin; Neuromedin C; GRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Gastrin Releasing Peptide (GRP). No significant cross-reactivity or interference between Gastrin Releasing Peptide (GRP) and analogues was observed.
Sequence Length	138
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	12.35-1000pg/mL
Sensitivity	< 4.69pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Gastrin Releasing Peptide (GRP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Gastrin Releasing Peptide (GRP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRP elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Gastrin Releasing Peptide (GRP) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Gastrin Releasing Peptide (GRP) and unlabeled Gastrin Releasing Peptide (GRP) (Standards or samples) with the pre-coated antibody specific to Gastrin Releasing Peptide (GRP). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Gastrin Releasing Peptide (GRP) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Gastrin Releasing Peptide (GRP) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	60498999
NCBI GeneID	2922
NCBI Accession #	NP_001012531.1
NCBI GenBank Nucleotide #	NM_001012513.2
UniProt Accession #	P07492; P07491; P81553; Q14454; Q53YA0; Q9BSY7
Molecular Weight	15,533 Da
NCBI Official Full Name	gastrin-releasing peptide isoform 3 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
UniProt Protein Name	Gastrin-releasing peptide
UniProt Gene Name	GRP
UniProt Synonym Gene Names	GRP

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://stage.aaabiotech.com/human-elisa-kits/gastrin-releasing-peptide-grp/182335>