

Chicken Gastrin-releasing peptide ELISA Kit | GRP elisa kit

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CATALOG #
AAA91236

REACTIVITY
Chicken

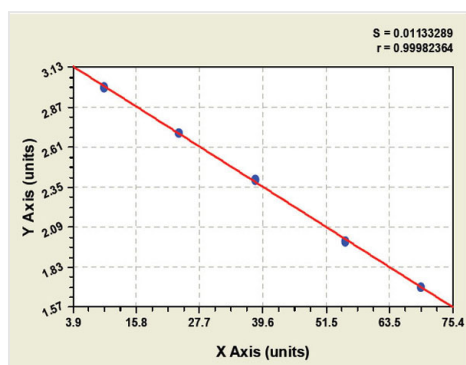
PRODUCT SYNONYMS

Gastrin-releasing peptide; Chicken Gastrin-releasing peptide ELISA Kit; GRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRP elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This GRP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken GRP. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY GRP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GRP antibody and an GRP-HRP conjugate. The assay sample and buffer are incubated together with GRP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GRP concentration since GRP from samples and GRP-HRP conjugate compete for the anti-GRP antibody binding site. Since the number of sites is limited, as more sites are occupied by GRP from the sample, fewer sites are left to bind GRP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GRP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542860
NCBI GeneID	2922
NCBI Accession #	NP_002082
NCBI GenBank Nucleotide #	NM_002091.3
UniProt Accession #	P07492; P07491; P81553; Q14454; Q53YA0; Q9BSY7
Molecular Weight	16,213 Da
NCBI Official Full Name	gastrin-releasing peptide isoform 1 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.