

Rat Gastrin (GT) ELISA Kit | GT elisa kit

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CATALOG #
AAA63636

REACTIVITY
Rat

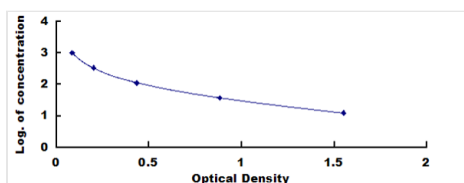
PRODUCT SYNONYMS

Gastrin (GT); Rat Gastrin (GT) ELISA Kit; GAST; GAS; Gastrin component I; Big gastrin; Gastrin component II; Gastrin component III; GT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GT. No significant cross-reactivity or interference between GT and analogues was observed.
Sequence Length	104
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Competitive inhibition
Detection Range	15.625-1000pg/mL
Sensitivity	4.63pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GT elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of GT in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to GT has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled GT and unlabeled GT (Standards or samples) with the pre-coated antibody specific to GT. 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 GT in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of GT in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978875
NCBI GeneID	25320
NCBI Accession #	NP_036981.1
NCBI GenBank Nucleotide #	NM_012849.1
UniProt Accession #	P04563
Molecular Weight	11,832 Da
NCBI Official Full Name	gastrin
NCBI Official Synonym Full Names	gastrin
NCBI Official Symbol	Gast
NCBI Official Synonym Symbols	Gas; PPG34
NCBI Protein Information	gastrin
UniProt Protein Name	Gastrin
UniProt Gene Name	Gast
UniProt Synonym Gene Names	Gas; G34

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/rat-elisa-kits/gastrin-gt/63636>