

Rat Gastric Inhibitory Polypeptide (GIP) ELISA Kit | GIP elisa kit

Mini Samples Gastric Inhibitory Polypeptide (GIP) ELISA Kit

CATALOG # AAA189295	REACTIVITY Rat	APPLICATIONS ELISA
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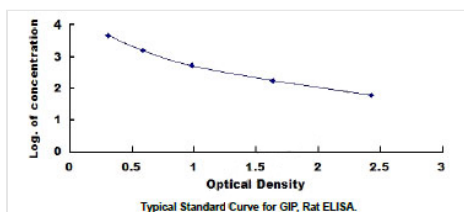
PRODUCT SYNONYMS

Gastric Inhibitory Polypeptide (GIP); Mini Samples Gastric Inhibitory Polypeptide (GIP) ELISA Kit; Incretin hormone; Glucose Dependent Insulinotropic Peptide; GIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GIP. No significant cross-reactivity or interference between GIP and analogues was observed.
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	61.7-5,000pg/mL
Sensitivity	< 21.9pg/mL
Applicable Applications for GIP elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GIP 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 GIP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 GIP elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of GIP in rat 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. An antibody specific to GIP has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled GIP and unlabeled GIP (Standards or samples) with the pre-coated antibody specific to GIP. 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 GIP in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of GIP in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9789965
NCBI GeneID	25040
NCBI Accession #	NP_062604.1
NCBI GenBank Nucleotide #	NM_019630.3
UniProt Accession #	Q06145
Molecular Weight	16,401 Da
NCBI Official Full Name	gastric inhibitory polypeptide
NCBI Official Synonym Full Names	gastric inhibitory polypeptide
NCBI Official Symbol	Gip
NCBI Official Synonym Symbols	Gludins; RATGLUDINS
NCBI Protein Information	gastric inhibitory polypeptide
UniProt Protein Name	Gastric inhibitory polypeptide
UniProt Gene Name	Gip
UniProt Synonym Gene Names	GIP

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/rat-elisa-kits/gastric-inhibitory-polypeptide-gip/189295>