

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

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CATALOG #
AAA182159

REACTIVITY
Human

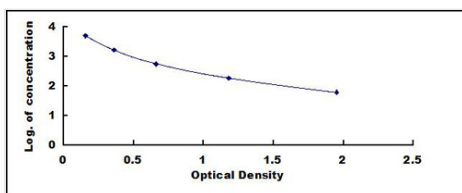
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Gastric Inhibitory Polypeptide (GIP). No significant cross-reactivity or interference between Gastric Inhibitory Polypeptide (GIP) and analogues was observed.
Sequence Length	153
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	61.7-5000pg/mL
Sensitivity	< 23.9pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Gastric Inhibitory Polypeptide (GIP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Gastric Inhibitory Polypeptide (GIP) 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 GIP elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Gastric Inhibitory Polypeptide (GIP) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Gastric Inhibitory Polypeptide (GIP) and unlabeled Gastric Inhibitory Polypeptide (GIP) (Standards or samples) with the pre-coated antibody specific to Gastric Inhibitory Polypeptide (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 Gastric Inhibitory Polypeptide (GIP) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Gastric Inhibitory Polypeptide (GIP) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758436
NCBI GeneID	2695
NCBI Accession #	NP_004114.1
NCBI GenBank Nucleotide #	NM_004123.2
UniProt Accession #	P09681; Q4VB42; Q6NTD3
Molecular Weight	17,108 Da
NCBI Official Full Name	gastric inhibitory polypeptide preproprotein
NCBI Official Synonym Full Names	gastric inhibitory polypeptide
NCBI Official Symbol	GIP
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/human-elisa-kits/gastric-inhibitory-polypeptide-gip/182159>