

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

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CATALOG #
AAA189695

REACTIVITY
Mouse

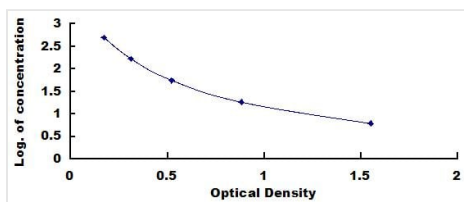
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Assay Type	Quantitative Competitive
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	6.17-500pg/mL
Sensitivity	< 2.19pg/mL
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	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months 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	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. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of GIP in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for GIP elisa kit	Endocrinology; Gastroenterology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	31982340
NCBI GeneID	14607
NCBI Accession #	NP_032145.2
NCBI GenBank Nucleotide #	NM_008119.2
UniProt Accession #	P48756; Q9D887
Molecular Weight	16,389 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
UniProt Entry Name	GIP_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/gastric-inhibitory-polypeptide-gip/189695>