

Human Gastric inhibitory polypeptide ELISA Kit | GIP elisa kit

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CATALOG #
AAA101360

REACTIVITY
Human

PRODUCT SYNONYMS

Gastric inhibitory polypeptide; Human Gastric inhibitory polypeptide ELISA Kit; GIP (gastric inhibitory polypeptide)/Glucose-dependent Insulinotropic Polypeptide/Incretin; GIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GH. No significant cross-reactivity or interference between GH and analogues was observed.
Sequence Length	153
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	46.875-3000pg/ml
Sensitivity	28.125pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GH were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GH were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a GIP ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78.125	156.25	312.5	625	1250	2500	5000
Y	OD450	0.04	0.38	0.736	1.006	1.413	1.945	2.251	2.225

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GIP elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-GH antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-GH antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the GH amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of GH can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758436
NCBI GeneID	2695
NCBI Accession #	NP_004114.1
NCBI GenBank Nucleotide #	NM_004123.2
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
UniProt Entry Name	GIP_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.

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Online datasheet: <https://www.aaabiotech.com/gip-human-elisa-kits/gastric-inhibitory-polypeptide/101360>