

Canine Gastric Inhibitory Polypeptide ELISA Kit | GIP elisa kit

Canine Gastric Inhibitory Polypeptide ELISA Kit

CATALOG #
AAA91910

REACTIVITY
Canine

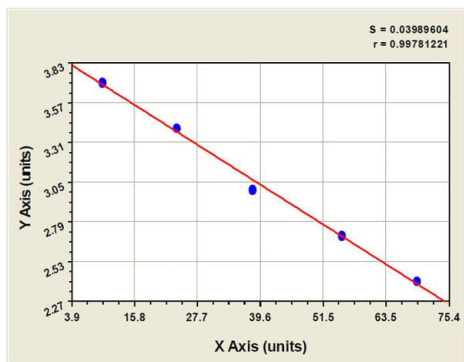
PRODUCT SYNONYMS

Gastric Inhibitory Polypeptide; Canine Gastric Inhibitory Polypeptide ELISA Kit; GIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This GIP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GIP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GIP elisa kit

Principle of the assay: GIP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GIP antibody and an GIP-HRP conjugate. The assay sample and buffer are incubated together with GIP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GIP concentration since GIP from samples and GIP-HRP conjugate compete for the anti-GIP antibody binding site. Since the number of sites is limited, as more sites are occupied by GIP from the sample, fewer sites are left to bind GIP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GIP concentration in each sample is interpolated from this standard curve.

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; incretin hormone; glucose-dependent insulinotropic 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gip-canine-elisa-kits/gastric-inhibitory-polypeptide/91910>