



BMA BIOMEDICALS



Peninsula Laboratories

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**S-1273**

**Gastric Inhibitory Polypeptide (GIP) (human) ELISA  
[UniProt: P09681]**

Gastric Inhibitory Polypeptide (GIP) is a 42-amino acid peptide released by the K cells of the duodenum and jejunum in response to food intake. GIP, together with GLP (Gastric-like Peptide) are members of the hormone peptide family of Incretins which stimulate insulin secretion from pancreatic islet  $\beta$ -cells, and also appears to promote beta cell proliferation and beta cell survival. Recent studies suggest that GIP plays a role in lipid homeostasis and possibly in the pathogenesis of obesity.

This ELISA was developed with serum from rabbits immunized with Gastric Inhibitory Polypeptide coupled to a carrier protein.

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**TECHNICAL AND ANALYTICAL CHARACTERISTICS**

- Lot number:** A18057
- Host species:** Rabbit IgG
- Quantity:** 96 tests
- Format:** Extraction-free kit for human serum or plasma (EIAS type).
- Shelf-life:** One year from production date. Store refrigerated at 4° - 8°C.
- Applications:** This ELISA has been validated with the included reagents. It is intended to be used with samples of human origin (original protocol V, Ab1hr.Std2hr.BtON). For research use only.  
Please see [www.bma.ch](http://www.bma.ch) for protocols and general information.
- Range:** 0-10ng/ml
- Average IC50:** 0.4ng/ml
- Immunogen:** Synthetic peptide H-Tyr-Ala-Glu-Gly-Thr-Phe-Ile-Ser-Asp-Tyr-Ser-Ile-Ala-Met-Asp-Lys-Ile-His-Gln-Gln-Asp-Phe-Val-Asn-Trp-Leu-Leu-Ala-Gln-Lys-Gly-Lys-Lys-Asn-Asp-Trp-Lys-His-Asn-Ile-Thr-Gln-OH coupled to carrier protein.

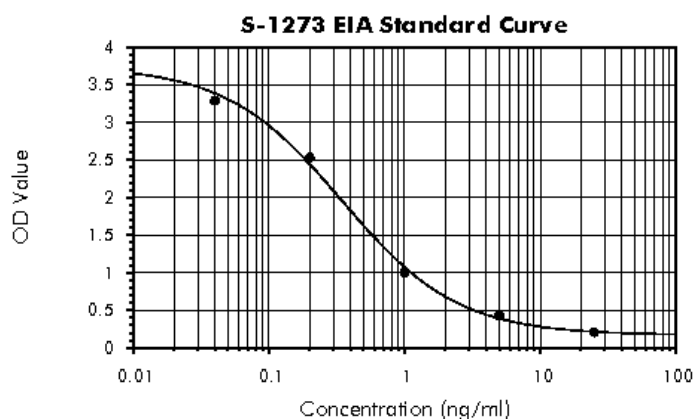
**Cross-Reactivity:**

PEPTIDE:	%:
GIP (human)	100
GIP (porcine)	100
Amylin	0
Bombesin	0
Big Gastrin-1 (human)	0
Gastrin-1 (human)	0

## Cross-Reactivity (continued):

PEPTIDE:	%:
GLP-1 (human)	0
GLP-1 (7-36) Amide (human)	0
GLP-1 (7-37) (human)	0
GLP-2 (human)	0
GRP (human)	0
Insulin (human)	0
Substance P	0

Typical titration curve of Gastric Inhibitory Polypeptide in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.01 to 10ng/ml
<b>Stock</b>	1000	
<b>S1</b>	10.00	Add 10µl Stock + 990µl diluent
<b>S2</b>	2.50	Add 100µl S1 + 300µl diluent
<b>S3</b>	0.63	Add 100µl S2 + 300µl diluent
<b>S4</b>	0.16	Add 100µl S3 + 300µl diluent
<b>S5</b>	0.04	Add 100µl S4 + 300µl diluent
<b>S6</b>	0.01	Add 100µl S5 + 300µl diluent
<b>S0</b>	0.00	300µl diluent

Related Products: T-4110: anti Gastric Inhibitory Polypeptide (hu) purified IgG  
T-4053: anti Gastric Inhibitory Polypeptide (hu) neat antiserum  
T-4340: anti Gastric Inhibitory Polypeptide (po) neat antiserum

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This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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EIAS

1.3.2021