ANTIBODYSHOP®

PRODUCT SPECIFICATION

Anti Gastric Inhibitory Polypeptide (GIP)
Mouse monoclonal antibody

Subclass: IgG1/k

PRODUCT NO. **ABS 021-05**

PRESENTATION

Preparation:	Protein-A/G purified
Content:	0.5 mL
Solvent:	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
Storage:	In the dark at 4-8ºC

ANTIGEN

Human gastric inhibitory polypeptide (GIP) is a 42-amino-acid peptide belonging to the glucagon-secretin family of peptide hormones. It is secreted by endocrine cells in the duodenal mucosa and stimulates glucose-dependent insulin secretion as well as GLP-1 release from more distal endocrine (L) cells in the intestinal mucosa.
GIP shows amino-acid sequence similarities to glucagon, GLP-1 and GLP-2 (from approximately 50% identity for glucagon to 30% identity for GLP-2).

IMMUNOGEN

Synthetic human gastric inhibitory polypeptide coupled to carrier

SPECIFICITY

ABS 021-05 binds human GIP. ABS 021-05 does not cross-react with GLP-1 or -2, PACAP, glucagon or VIP. Cross-reactivity with porcine GIP has not been determined.

EPITOPE SPECIFICITY

Not determined

REACTIVITY

The dilution guideline for ELISA is based on use of ABS 021-05 as detection antibody for antigen coated at 2 µg/ml. In addition ABS 021-05 binds free GIP in solution.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

SP2mIL6.

IMMUNIZATION

Female NMRIxBALB/c mice immunized i.p. with immunogen adsorbed onto Al(OH)3 and emulsified in Freund's incomplete adjuvant

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:1000	
Immunoblotting	Not determined		
Immunohistochemistry	Not determined		

REFERENCES