

**Anti-Gastric Inhibitory Polypeptide (GIP)
 Mouse monoclonal antibody**

Subclass: IgG1/k

PRODUCT NO.

ABS 021-04

Clone: 4

PRESENTATION

Preparation: Protein-A/G purified

Content: Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide

Storage: 4-8°C without exposure to light. No precautions necessary during handling.

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 adsorbed onto aluminum hydroxide gel

SPECIFICITY

ABS 021-04 binds human GIP. ABS 021-04 cross-reacts up to 10% with PACAP and human GLP-2 but <0.1% with glucagon, GLP-1 or VIP.

Cross-reactivity with porcine GIP has not been determined.

EPI TOPE SPECIFICITY

Not determined

REACTIVITY

The dilution guideline applies to glutaraldehyde-linked GIP-OA (molar ratio 4:1) coated at 1 µg/mL. With GIP coated directly at 2 µg/mL the dilution guideline is 1/2000. In addition ABS 021-04 binds free GIP in solution.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

SP2/mIL-6

IMMUNIZATION

Female NMRI x BALB/c mice immunized by intraperitoneal injection

APPLICATION

Method	Usability	References
ELISA	Yes	
Immunoblotting	Not determined	
Immunohistochemistry	Yes	1

REFERENCES

1. www.proteinatlas.org

CONDITIONS

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