

Anti-Gastric Inhibitory Peptide (3-42)(GIP (3-42))

Subclass:

Mouse monoclonal antibody, biotinylated

CAT. NO.

ABS 054-14 B

Clone: 14

SPECIFICITY	ABS 054-14 binds human GIP (3-42).
IMMUNOGEN	Synthetic human gastric inhibitory polypeptide
TESTED APPLICATIONS	ELISA
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	The epitope in in the region of GIP (3-42).

PRESENTATION

Content:	150 µL, 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and 15 mM sodium azide
Storage:	2-8°C

APPLICATION

ELISA :

ABS 057-25 (as capture antibody) forms a sandwich ELISA pair with ABS 054-14B (as biotinylated detection antibody) for measuring GIP. Data suggest that this matched antibody pair is the most sensitive pair for measuring GIP (3-42). Detection limit obtained with our non-optimized buffer system is up to 1 ng/mL of GIP (3-42). Cross-reaction with GIP (1-42) is around 2%.

TARGET

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).

REFERENCES

CONDITIONS

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