PRODUCT SPECIFICATION

06/11/2017

Anti-Gastric Inhibitory Peptide (GIP)

Mouse monoclonal antibody

CAT. NO. **ABS 054-26**

Subclass:

Clone: 32

SPECIFICITY	ABS 054-26 binds human GIP (1-42).
IMMUNOGEN	Synthetic human gastric inhibitory polypeptide
TESTED APPLICATIONS	ELISA
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Not determined

PRESENTATION

Content:	Available in 400 µL and 1 mL size.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, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	2-8ºC

APPLICATION

ELISA:
ABS 054-26 (as capture antibody) forms a sandwich ELISA pair with ABS 054-24B (as biotinylated detection antibody) for measuring GIP. Detection limit obtained with our non-optimized buffer system is up to 4 ng/mL of GIP (1-42). This pair seems to be also more sensitive than pair ABS 021-04 / ABS 054-24B with our non-optimized buffer system.

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