

Anti-Gastric Inhibitory Peptide (GIP)

CAT. NO. ABS 054-24B

OVERVIEW

Product Name	Anti-Gastric Inhibitory Peptide (GIP)	Conjugation	Biotin
Description	Mouse monoclonal antibody, biotinylated	Host	Mouse
Isotype	not determined	Clone	24
Tested Applications	ELISA		

SPECIFICITY

Specificity	ABS 054-24 binds human GIP (1-42).		
Immunogen	Synthetic human gastric inhibitory polypeptide	Gene ID	2695
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).		

Species Reactivity	Human	Species Reactivity	Not determined
POSITIVE		NEGATIVE	

PROPERTIES

Form	Liquid	Unit Size	0,15 mL
Concentration	1 mg/mL $\pm$ 15%, See CoA for lot details		
Purification	Protein A or Protein G purified	Purification Notes	BSA free
Storage buffer	0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

TESTED APPLICATIONS

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. ABS 021-04 (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)
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SCIENTIFIC REFERENCES

N/A

CONDITIONS

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