

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

CAT. NO. ABS 054-14

OVERVIEW

Product Name	Anti-Gastric Inhibitory Peptide (3-42)(GIP (3-42))	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	not determined	Clone	14
Tested Applications	ELISA		

SPECIFICITY

Specificity	ABS 054-14 binds human Gastric Inhibitory Peptide (GIP) (3-42).		
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 POSITIVE	Human	Species Reactivity NEGATIVE	Not determined

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL ±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 0.5 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

TESTED APPLICATIONS

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). The 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%.
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SCIENTIFIC REFERENCES

N/A

CONDITIONS

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