

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

CAT. NO. ABS 057-25

### OVERVIEW

<b>Product Name</b>	Anti-Gastric Inhibitory Peptide (3-42) (GIP (3-42))	<b>Conjugation</b>	Unconjugated
<b>Description</b>	Mouse monoclonal antibody	<b>Host</b>	Mouse
<b>Isotype</b>	not determined	<b>Clone</b>	25
<b>Tested Applications</b>	ELISA		

### SPECIFICITY

<b>Specificity</b>	ABS 057-25 binds human GIP (3-42). The epitope lies within the N-terminal region of GIP (3-42)		
<b>Immunogen</b>	Synthetic human gastric inhibitory polypeptide	<b>Gene ID</b>	2695
<b>Target</b>	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).		
<b>Species Reactivity POSITIVE</b>	Human	<b>Species Reactivity NEGATIVE</b>	Not determined

### PROPERTIES

<b>Form</b>	Liquid	<b>Unit Size</b>	0,4 mL and 1 mL
<b>Concentration</b>	1 mg/mL $\pm$ 15%, See CoA for lot details		
<b>Purification</b>	Protein A or Protein G purified	<b>Purification Notes</b>	BSA free
<b>Storage buffer</b>	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
<b>Storage condition</b>	2-8°C without exposure to light		
<b>Safety</b>	Wear protective clothing		

### TESTED APPLICATIONS

<b>ELISA</b>	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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