

Anti-Gastric Inhibitory Peptide (GIP)

CAT. NO. ABS 054-24

OVERVIEW

Product Name	Anti-Gastric Inhibitory Peptide (GIP)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	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 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	<p>ABS 054-26 (as capture antibody) forms a sandwich ELISA pair with ABS 054-24B (as a biotinylated detection antibody) for measuring GIP. The 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.</p> <p>ABS 021-04 (as a capture antibody) forms a sandwich ELISA pair with ABS 054-24B (as a biotinylated detection antibody) for measuring GIP. The detection limit obtained with our non-optimized buffer system is up to 4 ng/mL of GIP (1-42).</p>
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SCIENTIFIC REFERENCES

N/A

CONDITIONS

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.