

Anti-GIP Antibody Picoband® FITC Conjugated

Catalog Number: PB9946-FITC

About GIP

Gastric inhibitory polypeptide (GIP), also known as the glucose-dependent insulinotropic peptide, is an inhibiting hormone of the secretin family of hormones. GIP is thought to have significant effects on fatty acid metabolism through stimulation of lipoprotein lipase activity in adipocytes. Additionally, GIP release has been demonstrated in the ruminant animal and may play a role in nutrient partitioning in milk production (lipid metabolism). Recently, GIP appeared as a major player in bone remodelling. It was evidenced that genetic ablation of the GIP receptor in mice resulted in profound alterations of bone microarchitecture through modification of the adipokine network. Furthermore, the deficiency in GIP receptors has also been associated in mice with a dramatic decrease in bone quality and a subsequent increase in fracture risk.

Overview

Product Name	Anti-GIP Antibody Picoband® FITC Conjugated
Reactive Species	Human, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P09681

Technical Details

Immunogen	E. coli-derived human GIP recombinant protein (Position: Y52-Q93). Human GIP shares 92.9% and 95.2% amino acid (aa) sequence identity with mouse and rat GIP, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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