

Anti-Glucose-dependent insulintropic Receptor [Gipg013] Standard Size Ab00424-201.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric dog antibody was made using the variable domain sequences of the original Mouse scFv format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Dog IgG2 (IgG-B), [Fc Silent™](#), Lambda

Clone Number: Gipg013

Alternative Name(s) of Target: GIPr

UniProt Accession Number of Target Protein: Q8TDV5

Published Application(s): Blocking, ELISA, IF

Published Species Reactivity: Dog, Rat, Human, Mouse

Immunogen: Human GIPr.

Specificity: The original has a Ki value of 7 nM and a Kd value of 6.8 nM for human GIPr.

Application Notes: This antibody binds to GIPr, a GPCR expressed on pancreatic beta-cells, where activation leads to the release of insulin. Endogenous ligands for the receptor include oleylethanolamide and lysophosphatidylcholine. The antibody acts as a competitive antagonist. In rat islets, the antibody inhibits GIP-induced secretion of insulin by up to 81%.

Antibody First Published in: Ravn et al. Structural and pharmacological characterization of novel potent and selective monoclonal antibody antagonists of glucose-dependent insulintropic polypeptide receptor. Journal of Biological Chemistry 2013; 288(27):19760-19772 [PMID:23689510](#)

Note on publication: Describes the generation of a monoclonal antibody against GIP and subsequent crystallisation as well as inhibition studies.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.