Human GIPR Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 591853

Catalog Number: FAB8210T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GIPR in direct ELISAs. Stains human GIPR transfected cells but not irrelevant transfectants.
Source	Monoclonal Mouse IgG_1 Clone # 591853
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human GIPR. Met1-Cys466 Accession # P48546
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	HEK293 human embryonic kidney cell line transfected with human GIPR and eGFP

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

GIPR is a 7-transmembrane receptor for GIP (glucose-dependent insulinotropic polypeptide or gastric inhibitory polypeptide). The 466 amino acid (aa) human GIPR contains 176 extracellular domain (ECD) aa that share 77% and 81% aa identity with mouse and rat GIPR ECD, respectively. A splice isoform of 430 aa has a deletion of aa 58-93 in the N-terminal ECD, while isoforms of 491 and 419 aa have alternate C-terminal cytoplasmic sequences. Engagement by GIP on pancreatic b-cells activates adenylate cyclase to regulate insulin compensation in the presence of high circulating glucose. GIPR is also expressed on adipocytes, osteoblasts and myelinating Schwann cell membranes.

PRODUCT SPECIFIC NOTICES

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