

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GPR107 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 1040717
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human GPR107 synthetic peptide Accession # Q5VW38
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

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

Human GPR107 is an 'orphan' 7-transmembrane receptor from the G protein-coupled receptor (GPCR) family of proteins.

GPR107 has been proposed to act as a receptor for Neuronostatin, a peptide derived from the somatostatin/SST precursor. Neuronostatin acts via GPR107 to increase cAMP-independent PKA phosphorylation and proglucagon mRNA accumulation in pancreatic α-cells.

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