

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FFAR1/GPR40 in ELISA.
Source	Monoclonal Mouse IgG _{2B} Clone # 1048036
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide within aminoacids 1-50 of human FFAR1/GPR40 Accession # O14842
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Immunohistochemistry 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 Free Fatty Acid Receptor 1 (FFAR-1), also known as GPR40, is a class A G-protein coupled receptor (GPCR) for medium and long chain saturated and unsaturated fatty acids encoded by the FFAR1 gene. FFAR-1 is expressed in pancreas and it plays an important role in glucose homeostasis acting as a nutrient sensor. Fatty acid binding increases glucose-stimulated insulin secretion, and may also enhance the secretion of glucagon-like peptide 1 (GLP-1).

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