

For Research Use Only

GLP1R Monoclonal antibody, PBS Only (Capture)

Catalog Number: 60931-1-PBS



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
60931-1-PBS	BC112126	Protein G purification
Concentration:	GeneID (NCBI):	CloneNo.:
1 mg/ml	2740	1A4G5
Source:	UNIPROT ID:	
Mouse	P43220	
Isotype:	Full Name:	
IgG1	glucagon-like peptide 1 receptor	
Immunogen Catalog Number:	Calculated MW:	
AG23529	463 aa, 53 kDa	

Applications

Tested Applications:
IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, rat

Background Information

GLP1R (glucagon-like peptide-1 receptor) is a G protein-coupled receptor belonging to the secretin receptor superfamily, also known as class B (PMID:34911028). GLP1R is widely distributed in pancreatic islets, muscles, the gastrointestinal tract, the lung, liver, pancreas, and other tissues or organs (PMID:35989517). Moreover, GLP1R agonist has been reported to induce autophagy of EC (Endometrial carcinoma) cells, and high GLP1R expression may be associated with good prognosis of EC patients, suggesting that GLP1R is likely to participate in the progression of EC (PMID:29907137). Moreover, regarding the molecular weight of GLP1R, research shows that the bands at ~50 kDa and ~100 kDa belong to the monomer and dimer states of GLP1R (PMID: 28609478).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

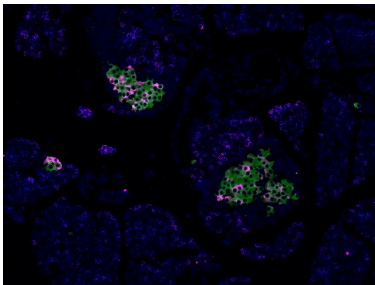
T: 4006900926

E: Proteintech-CN@ptglab.com

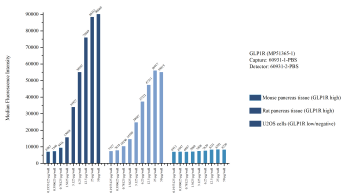
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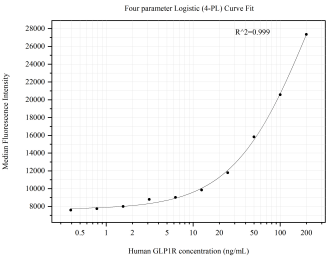
Selected Validation Data



FFPE-rat pancreas tissue was stained with GLP1R monoclonal antibody (Cat.NO. 60931-1-Ig) at 1:500 followed by detection with Multi-rAb® Polymer HRP-Goat Anti-Rabbit/Mouse Universal Recombinant Secondary Antibody (H+L) (Cat.NO. RGAU011). CoraLite®Plus 647-Tyramide Reagent (Cat.NO. PR30025) was used for signal development (purple). The slide was then conducted HIER in pH 9.0 Tris-EDTA buffer followed by staining with INS monoclonal



Sample test of MP51365-1, GLP1R Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60931-1-PBS. Detection antibody: 60931-2-PBS.



Cytometric bead array standard curve of MP51365-1, GLP1R Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60931-1-PBS. Detection antibody: 60931-2-PBS. Standard:Ag23529. Range: 0.391-200 ng/mL