

PRODUCT INFORMATION

\$hasAttributeValueDescription in C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-printcommerce-print-products-public.php on line 2806 Tag

GPRchr2; WI31133

Human GPR75-Strep full length protein-synthetic nanodisc

Delivery 6~8weeks Uniprot ID 095800 HEK293 **Expression Host**

Protein Families Druggable Genome, GPCR, Transmembrane

Protein Pathways

The human full length GPR75-Strep protein has a MW of 59.4 kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Formulation & Reconstitution

yophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at 20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freeign and thawing). Lyophilized proteins are shipped at ambient temperature.

G protein-coupled receptor that is activated by the chemokine CCL5/RANTES. Probably coupled to heterotrimeric Gq proteins, it stimulates inositod in the control of a downstream signaling pathway involving the PI3, Akt and MAP kinases. CCL5/RANTES may also regulate insulin secretion by pancreatic islet cells through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. CCL5/RANTES may also regulate insulin secretion by pancreatic islet cells through activation of the Steepflen of this Reception.

Conjugate Unconjugated

ELISA assay to evaluate GPR75-Strep-Nanodisc 0.2µg Human GPR75-Strep-Nanodisc per well

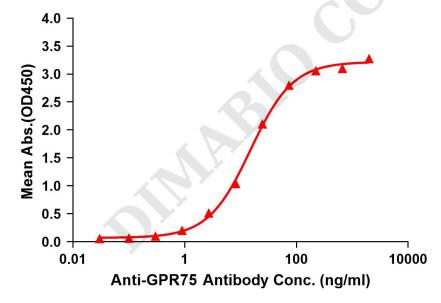


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag GPR75-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-GPR75 monoclonal antibody (DMC100368) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-GPR75 monoclonal antibody binding with GPR75-Strep-Nanodisc is 15.14ng/ml.

Email: info@dimabio.com Website: www.dimabio.com







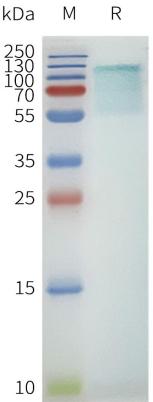


Figure 2. Human GPR75-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

R

Μ

kDa

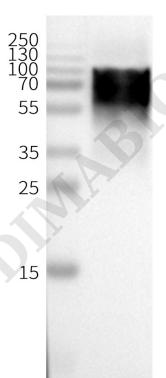
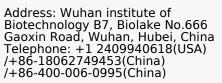


Figure 3. WB analysis of GPR75-Strep-Nanodisc with anti-GPR75 monoclonal antibody (DMC100368), followed by Goat Anti-Human IgG HRP at 1/5000 dilution



Email: info@dimabio.com Website: www.dimabio.com





SPR assay to evaluate GPR75-Strep-Nanodisc

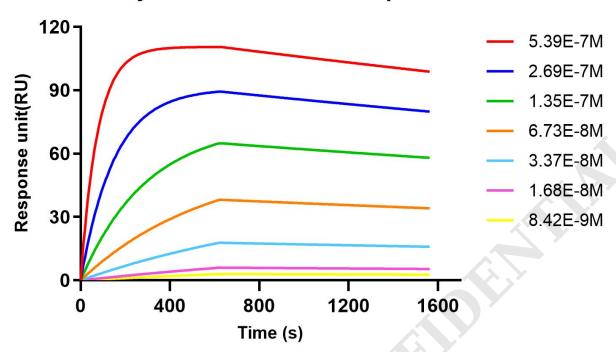


Figure 4. Loaded Human GPR75 monoclonal antibody (DMC100368) on Pro-A Biosensor, can bind human GPR75-Strep full length protein-synthetic nanodisc with an affinity constant of 5.02nM as determined in SPR assay.

Email: info@dimabio.com Website: www.dimabio.com

