

PRODUCT INFORMATION

C-Flag Tag Tag GPR75 **Target**

Synonyms GPRchr2; WI31133

Human GPR75 full length protein-synthetic **Description**

nanodisc **Delivery** In Stock **Uniprot ID** 095800 **Expression Host HEK293**

Druggable Genome, GPCR, Transmembrane **Protein Families**

Protein Pathways

Background

The human full length GPR75 protein has a MW of **Molecular Weight**

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 Formulation & Reconstitution lyophilization. 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 freezing and thawing). Storage & Shipping

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 inositol trisphosphate production and calcium mobilization upon activation. Together with CCL5/RANTES, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3. Akt and MAP kinases

pathway involving the PI3, Akt and MAP kinases. CCL5/RANTES may also regulate insulin secretion by pancreatic islet cells through activation of this

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receptor.

Usage Research use only

Conjugate Unconjugated





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

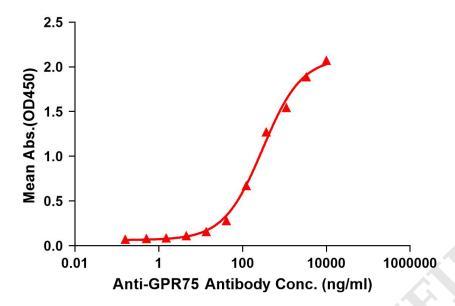


Figure 1. Elisa plates were pre-coated with Flag Tag GPR75-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-GPR75 monoclonal antibody (DMC100368) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-GPR75 monoclonal antibody binding with GPR75-Nanodisc is 303.6ng/ml.

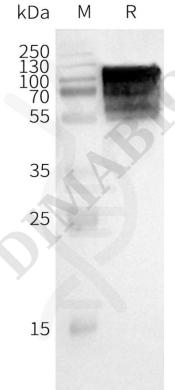


Figure 2. WB analysis of Human GPR75-Nanodisc with anti-Flag monoclonal antibody at 1/5000 dilution, followed by Goat Anti-Rabbit IgG HRP at 1/5000 dilution

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