

PRODUCT INFORMATION

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

CD363; CHEDG1; D1S3362; ECGF1; EDG-1; EDG1; S1P1 Human S1PR1-Strep full length protein-synthetic nanodisc

Delivery Uniprot ID P21453

HEK293 **Expression Host** Protein Families Druggable Genome, GPCR, Transmembrane

Protein Pathways Neuroactive ligand-receptor interaction Molecular Weigh

The human full length S1PR1-Strep protein has a MW of 42.8 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

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). Lyophilized proteins are shipped at ambient temperature.

The protein is structurally similar to G protein-coupled receptors and is highly expressed in endothelial cells. It binds the ligand sphingosine-1-phosphate with high affinity and high specificity, and suggested to be involved in the processes that regulate the differentiation of endothelial cells. Activation of this receptor indicutes cell-cell adhesion. Storage & Shipping

Usage rch use only

Conjugate Unconjugated

ELISA assay to evaluate S1PR1-Strep-Nanodisc 0.2µg Human S1PR1-Strep-Nanodisc per well

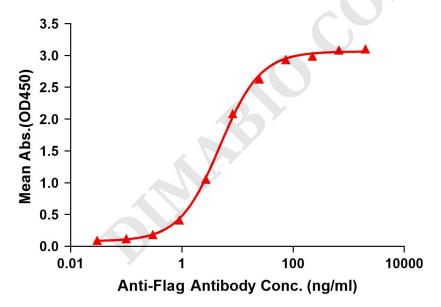


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag S1PR1-Strep-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with S1PR1-Strep-nanodisc is 4.824ng/ml.

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





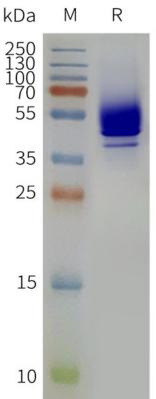


Figure 2. Human S1PR1-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE



