

PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	S1PR3
Synonyms	EDG-3; EDG3; LPB3; S1P3
Description	Human S1PR3-Strep full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	Q99500
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Molecular Weight	The human full length S1PR3-Strep protein has a MW of 42.3 kDa
Formulation & Reconstitution	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.
Storage&Shipping	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.
Background	Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P). S1P is a bioactive lysosphospholipid that elicits diverse physiological effect on most types of cells and tissues. When expressed in rat HTC4 hepatoma cells, is capable of mediating S1P-induced cell proliferation and suppression of apoptosis.
Usage	Research use only
Conjugate	Unconjugated



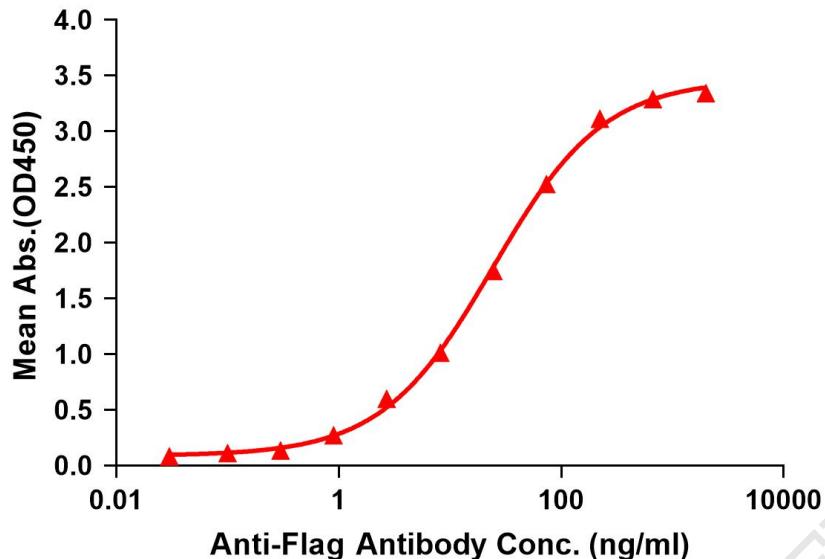
ELISA assay to evaluate S1PR3-Strep-Nanodisc
0.2 μ g Human S1PR3-Strep-Nanodisc per well

Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag S1PR3-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 S1PR3-Strep-nanodisc is 24.33ng/ml.

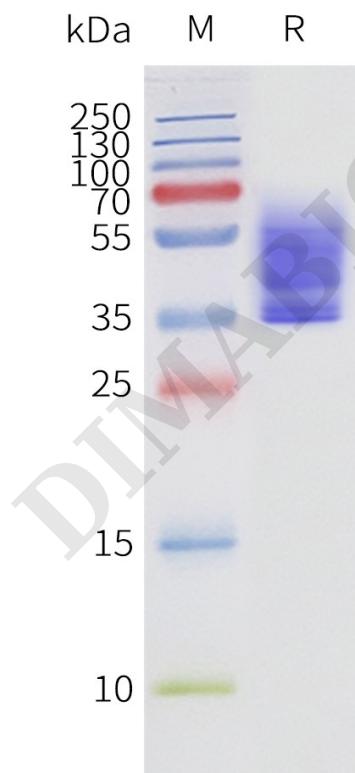


Figure 2. Human S1PR3-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

