

PRODUCT INFORMATION

Tag	C-Flag Tag
Target	F2RL2
Synonyms	PAR-3; PAR3
Description	Human F2RL2 full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	O00254
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Molecular Weight	The human full length F2RL2 protein has a MW of 42.5 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. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
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	A member of the protease-activated receptor (PAR) family which is a subfamily of the seven transmembrane G protein-coupled cell surface receptor family. The encoded protein acts as a cofactor in the thrombin-mediated cleavage and activation of the protease-activated receptor family member PAR4. The encoded protein plays an essential role in hemostasis and thrombosis.
Usage	Research use only
Conjugate	Unconjugated



ELISA assay to evaluate F2RL2-Nanodisc 0.2 μ g Human F2RL2-Nanodisc per well

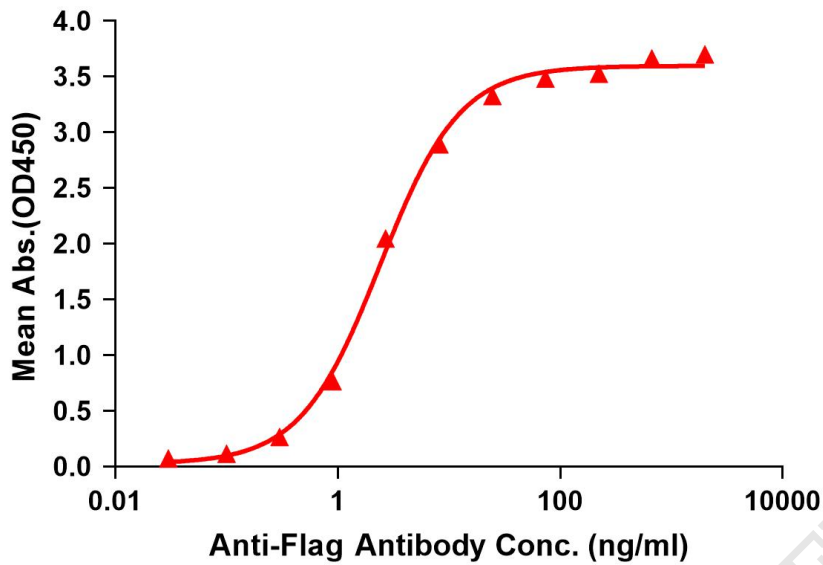


Figure 1. Elisa plates were pre-coated with Flag Tag F2RL2-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with F2RL2-Nanodisc is 2.410ng/ml.

kDa M R

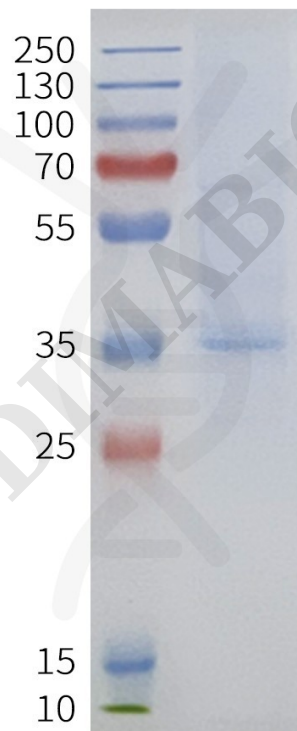


Figure 2. Human F2RL2-Nanodisc, Flag Tag on SDS-PAGE

