

HUMAN PLA2R1 FULL LENGTH PROTEIN

Cat.#: 11128

Product Name: Human PLA2R1 Full Length Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CLEC13C; PLA2-R; PLA2G1R; PLA2IR; PLA2R

Target: PLA2R1

UNIPROT ID: Q13018

Description: Human PLA2R1 full length protein-synthetic nanodisc

Background: This protein is a phospholipase A2 receptor. The protein likely exists as both a transmembrane form and a soluble form. The transmembrane receptor may play a role in clearance of phospholipase A2, thereby inhibiting its action. Polymorphisms at this locus have been associated with susceptibility to idiopathic membranous nephropathy. Alternatively spliced transcript variants encoding different isoforms have been identified.

Species/Host: HEK293

Molecular Weight: The human full length PLA2R1 protein has a MW of 168.6 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.

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.

ELISA assay to evaluate PLA2R1-Nanodisc
0.2 μ g Human PLA2R1-Nanodisc per well

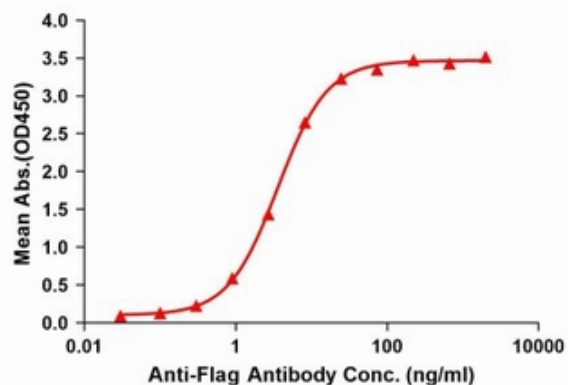


Figure1. Elisa plates were pre-coated with Flag Tag PLA2R1-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC₅₀ for anti-Flag monoclonal antibody binding with PLA2R1-Nanodisc is 3.595ng/ml.



Figure2. Human PLA2R1-Nanodisc, Flag Tag on SDS-PAGE