

## **PRODUCT INFORMATION**

TagC-Flag TagTargetPLA2R1

Synonyms CLEC13C; PLA2-R; PLA2G1R; PLA2IR; PLA2R
Human PLA2R1 full length protein-synthetic

Delivery In Stock
Uniprot ID Q13018
Expression Host HEK293

**Protein Families** Druggable Genome, Transmembrane

Protein Pathways N/A

Formulation & Reconstitution

**Background** 

Molecular Weight

The human full length PLA2R1 protein has a MW of 168.6 kpg.

of 168.6 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. 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.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

Storage & Shipping intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

témperature.

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

Polymorphisms at this locus have been associated with susceptibility to idiopathic membranous nephropathy. Alternatively spliced transcript variants encoding different isoforms have been

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identified.

Usage Research use only
Conjugate Unconjugated





## ELISA assay to evaluate PLA2R1-Nanodisc 0.2µg Human PLA2R1-Nanodisc per well

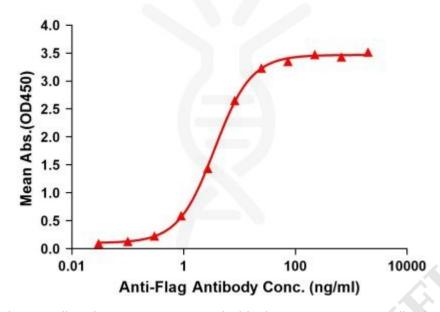


Figure 1. Elisa plates were pre-coated with Flag Tag PLA2R1-Nanodisc ( $0.2\mu g/per$  well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with PLA2R1-Nanodisc is 3.595ng/ml.



Figure 2. Human PLA2R1-Nanodisc, Flag Tag on SDS-PAGE

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