

PRODUCT INFORMATION

C-Flag&Strep Tag Tag

P2RY12 **Target**

ADPG-R; BDPLT8; HORK3; P2T(AC); P2Y(12)R; **Synonyms** P2Y(AC); P2Y(ADP); P2Y(cyc); P2Y12; SP1999

Human P2RY12-Strep full length protein-synthetic Description

nanodisc

Delivery In Stock **Uniprot ID** Q9H244 **Expression Host HEK293**

Protein Families Druggable Genome, GPCR, Transmembrane

Protein Pathways

Formulation &

Reconstitution

Storage & Shipping

Background

The human full length P2RY12-Strep protein has a **Molecular Weight**

MW of 39.4 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

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 belongs to the family of G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This

receptor is involved in platelet aggregation, and is a potential target for the treatment of thromboembolisms and other clotting disorders. Mutations in this gene are implicated in bleeding

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

disorder, platelet type 8 (BDPLT8).

Usage Research use only Conjugate Unconjugated





ELISA assay to evaluate P2RY12-Strep-Nanodisc 0.2µg Human P2RY12-Strep-Nanodisc per well

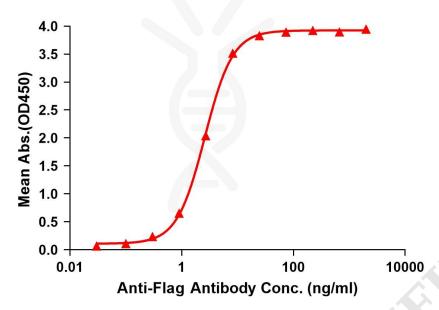


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag P2RY12-Strep-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with P2RY12-Strep-nanodisc is 2.605 ng/ml.



Figure 2. Human P2RY12-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China) /+86-400-006-0995(China)

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

