

## **PRODUCT INFORMATION**

Warning . Undefined variable \$hasAttributeValueDescription in Calwawroottmirror.dimablo.com/wp-content\plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php on line 2806 CFlag Tag Tag

Human ADRB1 full length protein-synthetic nanodisc

Delivery Uniprot ID P08588 Expression Host HEK293

Protein Families Druggable Genome, GPCR, Transmembrane

Calcium signaling pathway, Dilated cardiomyopathy, Endocytosis, Gap junction, Neuroactive ligand-receptor interaction Protein Pathways

Molecular Weigh The human full length ADRB1 protein has a MW of 51.2 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 of reconstitution.

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. 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 adrenergic receptors (subtypes alpha 1, alpha 2, beta 1, and beta 2) are a prototypic family of guanine nucleotide binding regulatory protein-coupled receptors that mediate the physiological effects of the hormone epinephrine and the heurotransmitter norepinephrine. Beta-1 adrenoceptors have been shown to affect the resting heart rate and can be involved in heart failure.

Research use only

Conjugate Unconjugated

## **ELISA assay to evaluate ADRB1-Nanodisc** 0.2µg Human ADRB1-Nanodisc per well

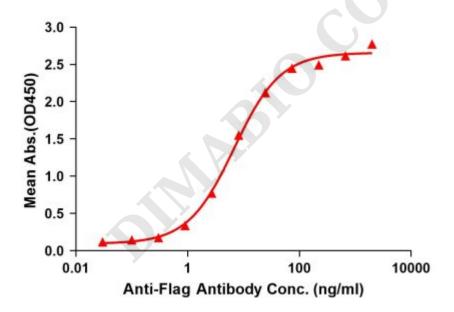


Figure 1. Elisa plates were pre-coated with Flag Tag ADRB1-Nanodisc ( $0.2\mu g/per$  well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with ADRB1-Nanodisc is 6.812ng/ml.

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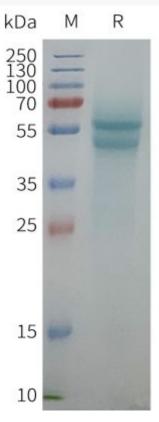


Figure 2. Human ADRB1-Nanodisc, Flag Tag on SDS-PAGE



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