

## **PRODUCT INFORMATION**

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

Tag

ABCB1; CD243; CLCS; GP170; MDR1; p-170; P-GP; PGY1 Human MDR-1 full length protein-synthetic nanodise

Delivery Uniprot ID P08183 HEK293 **Expression Host** 

Protein Families Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways ABC transporters

Molecular Weigh The human full length MDR-1 protein has a MW of 141.5 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. Formulation & Reconstitution

Storage & Shipping

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Store at 2-0°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 membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC), transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC), MBR/TAP, MRP, ALD, OABP, CGAVO, White). This protein is a member of the MDR/TAP subfamily, Members of the MDR/TAP subfamily are involved in multidrug resistance. The protein encoded by this gene is an ATP-dependent drug efflux pump for xenobiolic compounds with broad substrate specificity, it is recorded by the contraction of the protein substrate specificity. It is protein as a function as at a range of the contraction of the protein substrate specificity is the protein substrate specificity and the use of alternative promoters results in multiple transcript variants.

Coniugate Unconjugated

## ELISA assay to evaluate MDR-1-Nanodisc 0.2µg Human MDR-1-Nanodisc per well

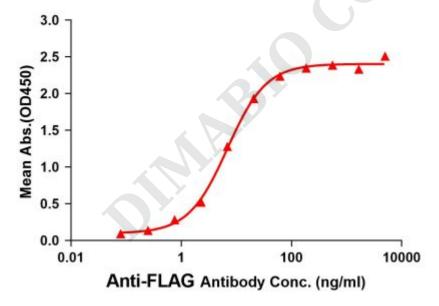


Figure 1. Elisa plates were pre-coated with Flag Tag MDR-1-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with MDR-1-Nanodisc is 6.883ng/ml.

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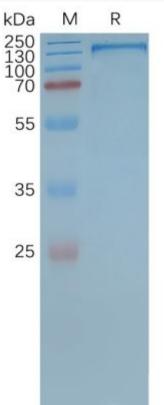


Figure 2. Human MDR-1-Nanodisc, Flag Tag on SDS-PAGE



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