

## **PRODUCT INFORMATION**

Warning: Undefined variable ShasAttributeValueDescription in C:\www.root\mirror.dimablo.com\wp-content\plugins\woocommerce-print-products\public\class-woocommerce-print-products-public.php on line 2806 C-Flag Tag Tag

BSCL3; CGL3; LCCNS; MSTP085; PPH3; VIP21 Human CAV1 full length protein-synthetic nanodisc

Delivery Uniprot ID 003135 HEK293 **Expression Host** 

Protein Families Druggable Genome, Transmembrane Protein Pathways Focal adhesion, Viral myocarditis

Molecular Weigh The human full length CAV1 protein has a MW of 20.3 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 -20°C to 80°C for 12 cmonths 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 scaffolding protein is the main component of the caveoleae Jeasma membranes found in most cell types. The protein links integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. The gene is a tumor suppressor gene candidate and a negative regulator of the Ras-Pa4/24A mitogen-activated kinase cascade. Cavel 1 and caveolin 1 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. Mutations in this gene have been associated with Berardinelli-Selp congenital lipodystrophy. Attenatively spileed transcripts encode alpha and besoforms of caveolin 1.

Usage Research use only Unconjugated

Background

## ELISA assay to evaluate CAV1-Nanodisc 0.2µg Human CAV1-Nanodisc per well

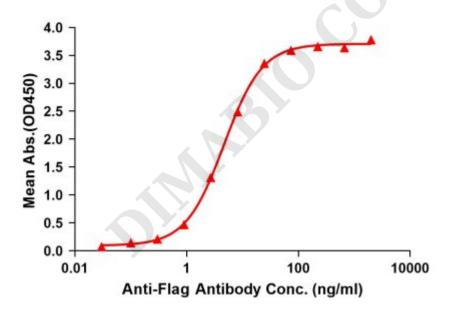


Figure 1. Elisa plates were pre-coated with Flag Tag CAV1-Nanodisc ( $0.2\mu g/per$  well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CAV1-Nanodisc is 4.671ng/ml.

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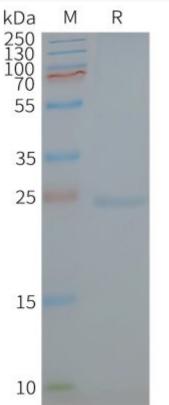


Figure 2. Human CAV1-Nanodisc, Flag Tag on SDS-PAGE



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