

## PRODUCT INFORMATION

<b>Tag</b>	C-Flag Tag
<b>Target</b>	SCAP
<b>Synonyms</b>	N/A
<b>Description</b>	Human SCAP full length protein-synthetic nanodisc
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q12770
<b>Expression Host</b>	HEK293
<b>Protein Families</b>	Druggable Genome, Transcription Factors, Transmembrane
<b>Protein Pathways</b>	N/A
<b>Molecular Weight</b>	The human full length SCAP protein has a MW of 139.7 kDa
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage&amp;Shipping</b>	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.
<b>Background</b>	A protein with a sterol sensing domain (SSD) and seven WD domains. In the presence of cholesterol, this protein binds to sterol regulatory element binding proteins (SREBPs) and mediates their transport from the ER to the Golgi. The SREBPs are then proteolytically cleaved and regulate sterol biosynthesis.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



### ELISA assay to evaluate SCAP-Nanodisc 0.2 $\mu$ g Human SCAP-Nanodisc per well

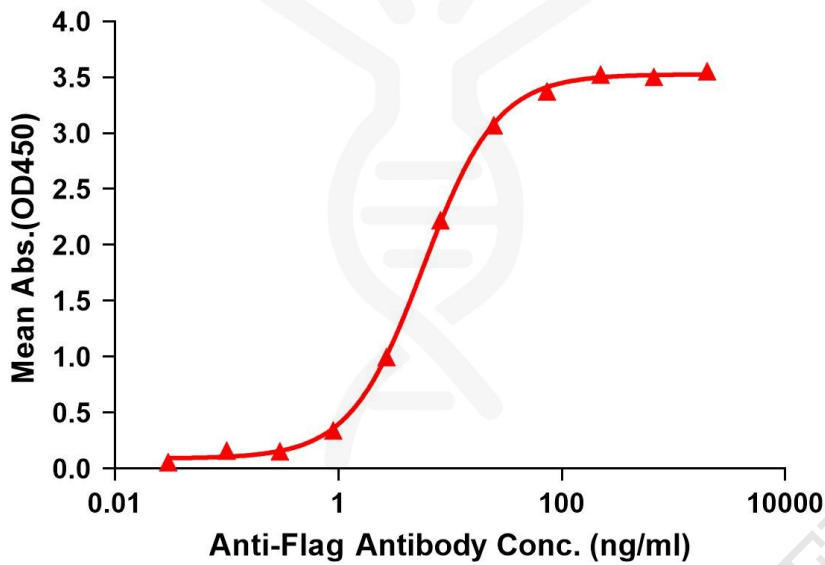


Figure 1. Elisa plates were pre-coated with Flag Tag SCAP-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with SCAP-Nanodisc is 5.795ng/ml.

kDa M R

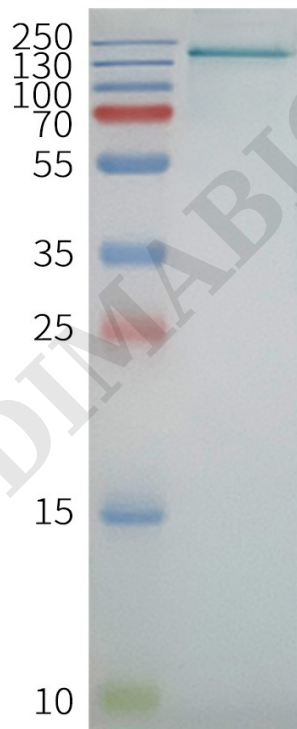


Figure 2. Human SCAP-Nanodisc, Flag Tag on SDS-PAGE

