

**PRODUCT INFORMATION**

<b>Target</b>	SLC1A5
<b>Synonyms</b>	AAAT; ASCT2; ATBO; M7V1; M7VS1; R16; RDRC
<b>Description</b>	Human SLC1A5 full length protein-synthetic nanodisc
<b>Delivery</b>	3-4 weeks
<b>Uniprot ID</b>	Q15758
<b>Expression Host</b>	HEK293
<b>Protein Families</b>	Druggable Genome, Transmembrane
<b>Protein Pathways</b>	N/A
<b>Molecular Weight</b>	The human full length SLC1A5 protein has a MW of 56.4 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 pH lower than 6.5 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>	The SLC1A5 gene encodes a sodium-dependent neutral amino acid transporter that can act as a receptor for RD114/type D retrovirus (Larriba et al., 2001 [PubMed 11781704]).[supplied by OMIM, Jan 2011]
<b>Usage</b>	Research use only



### ELISA assay to evaluate SLC1A5-Nanodisc 0.2 $\mu$ g Human SLC1A5-Nanodisc per well

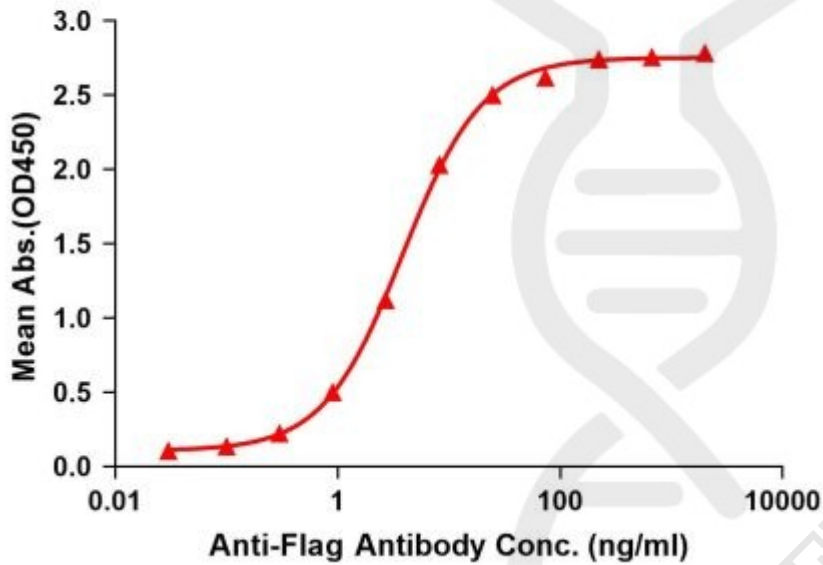


Figure1. Elisa plates were pre-coated with Flag Tag SLC1A5-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with SLC1A5-Nanodisc is 3.850ng/ml.



Figure2. Human SLC1A5-Nanodisc, Flag Tag on SDS-PAGE

