

## **PRODUCT INFORMATION**

\$hasAttributeValueDescription in C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-print-commerce-print-products-public.php on line 2806 Tag

SI C7A11 CCBR1; xCT

Human SLC7A11 full length protein-synthetic nanodisc

Delivery Uniprot ID O9UPY5 HEK293 **Expression Host** 

Protein Families Druggable Genome, Transmembrane

Protein Pathways

Background

Molecular Weigh The human full length SLC7A11 protein has a MW of 55.4 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 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. This gene encodes a member of a heterometric, sodium-independent, anionic amino acid transport system that is highly specific for cysteine and glutamate. In this system, designated XC+), the anionic form of cysteine is transported in exchange for glutamate. This protein has been identified as the predominant mediator of Kaposi sarcoma-associated herepevirus fusion and entry permissiveness into cells. Also, increased expression of this gene in primary gliomas (compared to normal brain tissue) was associated with increased glutamate secretion via the XCT channels, resulting in neuronal cell death. [provided by NeFseq. 26 2011]

Usage Research use only Unconjugated

## ELISA assay to evaluate SLC7A11-Nanodisc 0.2µg Human SLC7A11-Nanodisc per well

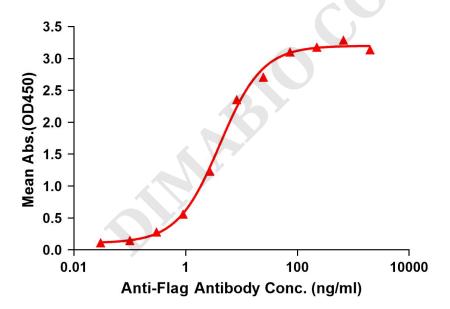


Figure 1. Elisa plates were pre-coated with Flag Tag SLC7A11-Nanodisc ( $0.2\mu g/per$  well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with SLC7A11-Nanodisc is 4.101ng/ml.

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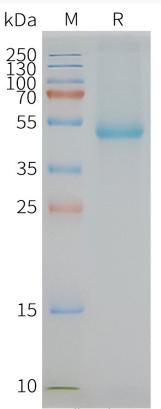
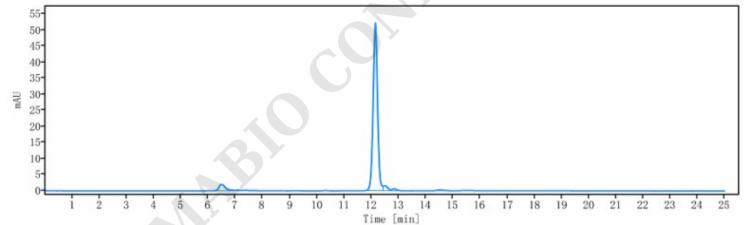


Figure 2. Human SLC7A11-Nanodisc, Flag Tag on SDS-PAGE



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Figure 3. The purity of Human SLC7A11-Nanodisc is greater than 90% as determined by SEC-HPLC.

