PRODUCT INFORMATION

Tag	N-His, C-Single Strep Tag
Expression Host	E.coli
Target	SLC7A11
Description	Human SLC7A11 cell-free full length protein-Nanodisc
Synonyms	CCBR1; xCT
Uniprot ID	Q9UPY5
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	N/A
Molecular Weight	The human SLC7A11 cell-free full length protein-Nanodisc has a MW of 57.5kDa
Delivery	1 week
Formulation & Reconstitution	Liquid, 20mM HEPES, 150mM NaCl, pH7.5
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Storage&Shipping	Store at -80℃, Ship on dry ice.
Purity	>80%
Background	This gene encodes a member of a heteromeric, 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 herpesvirus 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 RefSeq, Sep 2011]
Usage	Research use only
Conjugate	Unconjugated

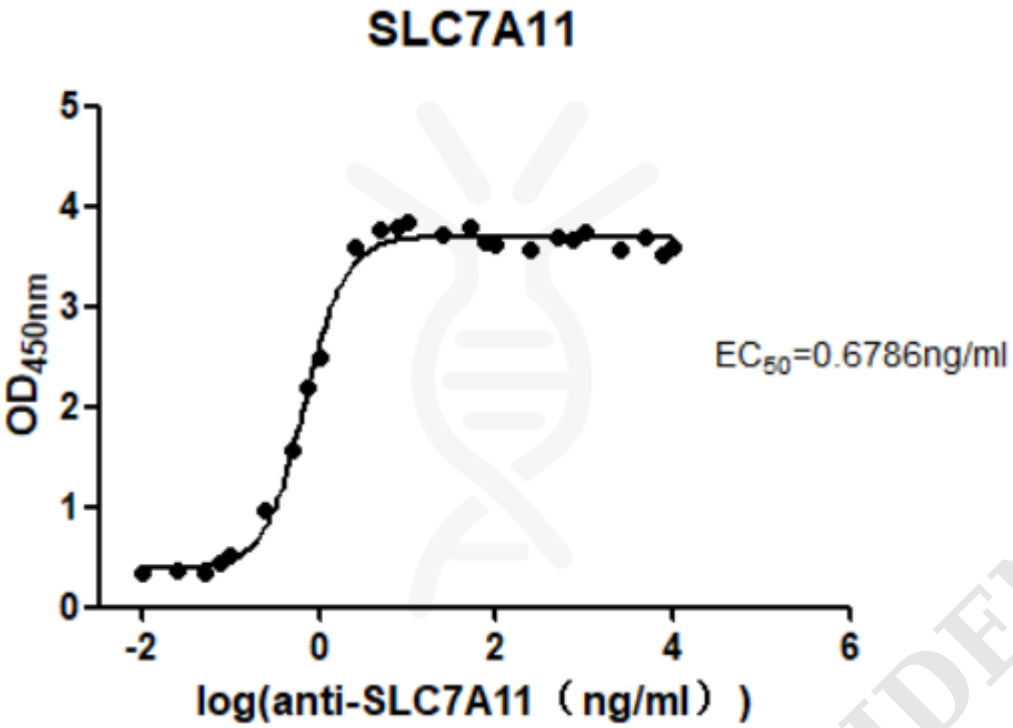

Figure 1. Elisa plates were pre-coated with N-His, C-Single Strep Tag SLC7A11 cell-free-Nanodisc (0.5μg/per well). Serial diluted anti-SLC7A11 antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-SLC7A11 antibody binding with SLC7A11 cell-free-Nanodisc is 0.6786 ng/mL.

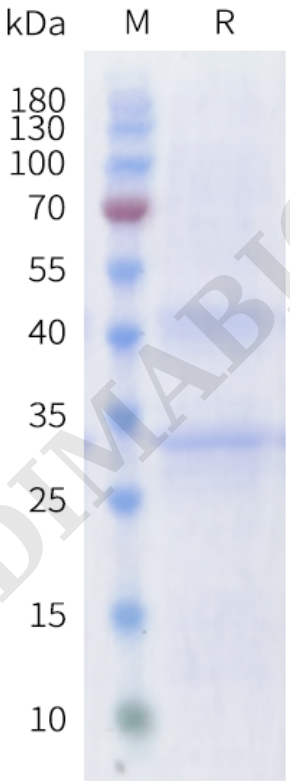

Figure 2. Human SLC7A11 cell-free-Nanodisc,N-His, C-Single Strep Tag on SDS-PAGE.