## PRODUCT INFORMATION

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|---|---|
| **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 |

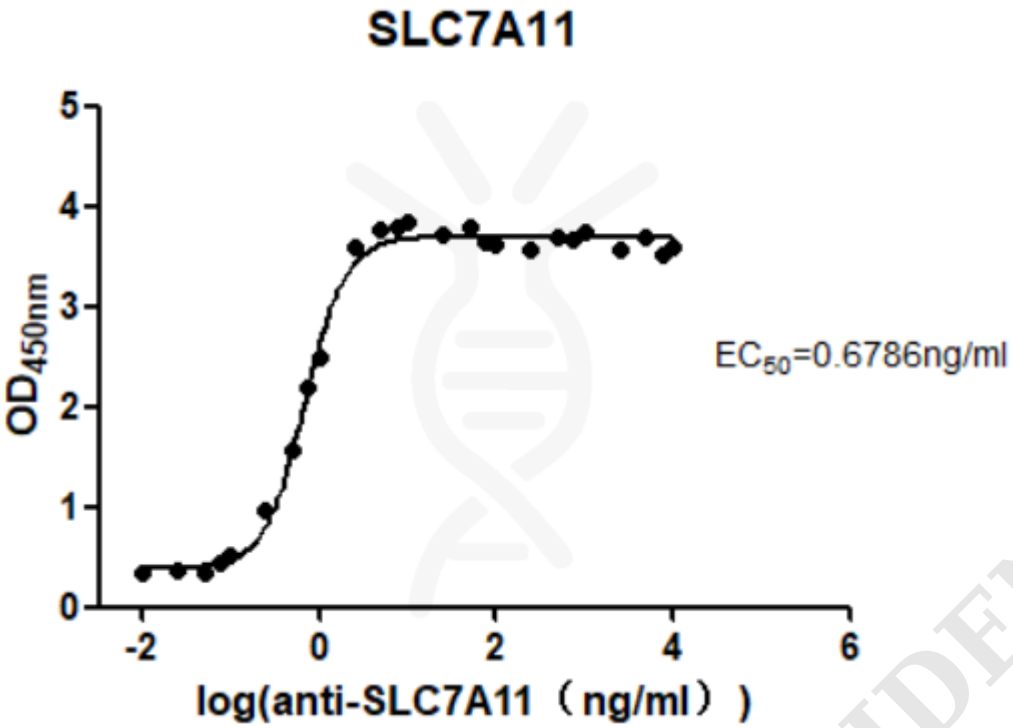


Figure 1. Elisa plates were pre-coated with N-His, C-Single Strep Tag SLC7A11 cell-free-Nanodisc (0.5μg/per well). Serial diluted anti-SLC7A11 antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-SLC7A11 antibody binding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

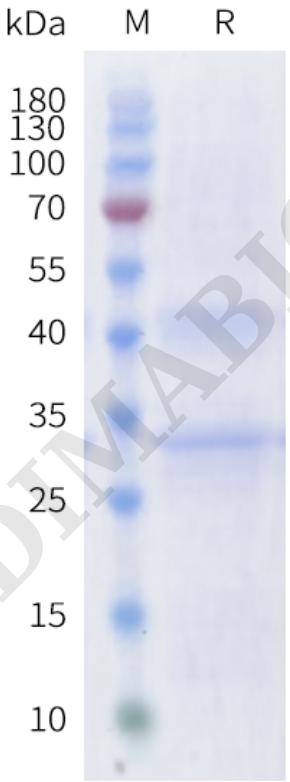


Figure 2. Human SLC7A11 cell-free-Nanodisc,N-His, C-Single Strep Tag on SDS-PAGE.