HUMAN SLC7A11 FULL LENGTH PROTEIN

Cat.#: 11029
Product Name: Human SLC7A11 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: CCBR1; xCT
Target: SLC7A11
UNIPROT ID: Q9UPY5
Description: Human SLC7A11 full length protein-synthetic nanodisc
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]
Species/Host: HEK293
Molecular Weight: The human full length SLC7A11 protein has a MW of 55.4 kDa
Formulation & Reconstitution: 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.
Storage & Shipping: 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.

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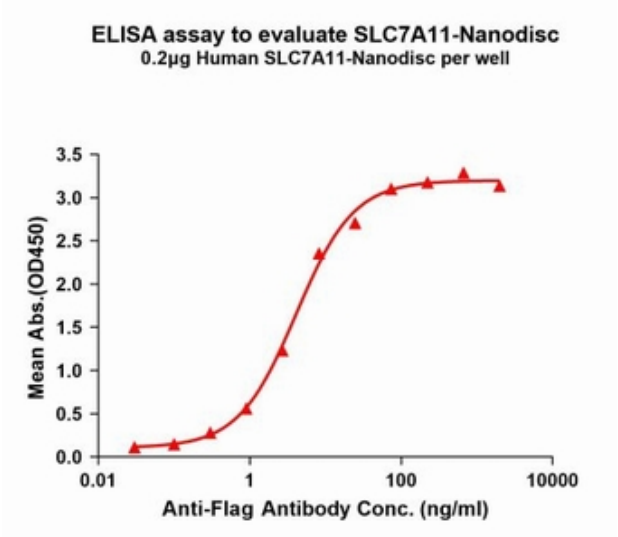

Figure1. Elisa plates were pre-coated with Flag Tag SLC7A11-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with SLC7A11-Nanodisc is 4.101ng/ml.

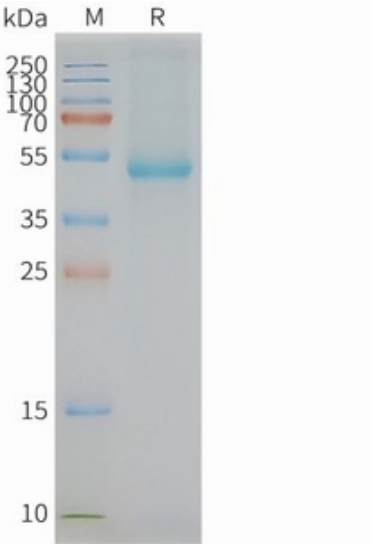

Figure2. Human SLC7A11-Nanodisc, Flag Tag on SDS-PAGE

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