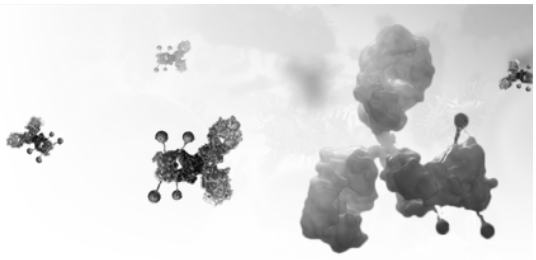

Human SLC7A11 blocking peptide (CDBP2713)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-SLC7A11 antibody
Antigen Description	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	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	SLC7A11 solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11 [Homo sapiens]
Official Symbol	SLC7A11

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Synonyms	SLC7A11; solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11; cystine/glutamate transporter; xCT; amino acid transport system xc-; solute carrier family 7 member 11; calcium channel blocker resistance protein CCBR1; solute carrier family 7, (cationic amino acid transporter, y+ system) member 11; CCBR1;
Entrez Gene ID	23657
mRNA Refseq	NM_014331
Protein Refseq	NP_055146
UniProt ID	Q9UPY5
Chromosome Location	4q28-q32
Pathway	Amino acid transport across the plasma membrane, organism-specific biosystem; Basigin interactions, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of inorganic cations/anions and amino acids/oligopeptides, organism-specific biosystem;
Function	amino acid transmembrane transporter activity; cystine:glutamate antiporter activity; protein binding;

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