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SLC7A11 Recombinant Monoclonal Antibody

Product Code	CSB-RA892171MA1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q9UPY5
Immunogen	Recombinant Human SLC7A11 protein
Species Reactivity	Human
Tested Applications	ELISA
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	Affinity-chromatography
Isotype	hlgG1
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cancer; Cell biology; Metabolism; Signal transduction
Protein Names	SLC7A11
Clone No.	23H6
Image	The Dinding Activity of Human SLC7A11 with



The Binding Activity of Human SLC7A11 with Anti-SLC7A11 recombinant antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human SLC7A11 (CSB-CF892171HU(A4)) at 2 μ g/mL can bind Anti-SLC7A11 recombinant antibody, the EC₅₀ is 9.452-13.79 ng/mL.

Description

The SLC7A11 recombinant monoclonal antibody is obtained by constructing the SLC7A11 antibody genes into plasmid vectors and then transfecting the constructed plasmid vectors into suitable host cells for expression through exogenous protein expression technology. This SLC7A11 recombinant monoclonal antibody underwent affinity-chromatography purification and was validated for ELISA. In the functional ELISA, the human SLC7A11 protein (CSB-CF892171HU(A4)) at 2 μ g/mL can bind this SLC7A11 recombinant monoclonal antibody, with the EC₅₀ of 9.452-13.79 ng/mL.

SLC7A11 is a component of a heterodimeric amino acid transporter known as

1



system xCT, which consists of SLC7A11 and SLC3A2. SLC7A11 functions as the light chain subunit of this transporter. The primary role of SLC7A11 is to exchange cystine for glutamate, across the cell membrane. It also regulates redox balance.