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Product Information

Recombinant Anti-Human slc3a2 Antibody scFv Fragment

Cat. No.: **MOM-18614-S(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody scFv Fragment specifically binds to Human SLC3A2, expressed in E. coli

Antigen Description

Required for the function of light chain amino-acid transporters. Involved in sodium-independent, high-affinity transport of large neutral amino acids such as phenylalanine, tyrosine, leucine, arginine and tryptophan. Involved in guiding and targeting of LAT1 and LAT2 to the plasma membrane.

Specific Activity

Tested positive against native antigen.

Target

SLC3A2

Immunogen

Tissue / cell preparation (Human).

Source

Mouse

Species Reactivity

Human

Type

scFv

Expression Host

E. coli

Purity

>95.0% as determined by Analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

SLC3A2 solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 [Homo sapiens]

Official Symbol

SLC3A2

Synonyms

SLC3A2; solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2; MDU1; 4F2 cell-surface antigen heavy chain; 4F2; 4F2 cell surface antigen heavy chain; 4F2 heavy chain; 4F2HC; 4T2HC; antigen defined by monoclonal 4F2; antigen identified by monoclonal antibodies 4F2; TRA1.10; TROP4; and T43; CD98; CD98 heavy chain; CD98HC; heavy chain; lymphocyte activation antigen 4F2 large subunit; monoclonal 44D7; NACAE; antigen defined by monoclonal 4F2, heavy chain; antigen identified by monoclonal antibodies 4F2, TRA1.10, TROP4, and T43;

Gene ID

6520

mRNA Refseq

NM_001012662

Protein Refseq

NP_001012680

MIM

158070

UniProt ID

P08195

Chromosome Location

11q12-q22

Pathway

Amino acid transport across the plasma membrane, organism-specific biosystem; Basigin interactions, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem;

Function

calcium:sodium antiporter activity; catalytic activity; cation binding; neutral amino acid transmembrane transporter activity; protein binding;

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