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Product Information

Recombinant Anti-Human slc1a5 Antibody

Cat. No.: **MOM-18281**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody is specific to Human SLC1A5, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Has a broad substrate specificity, a preference for zwitterionic amino acids, and a sodium-dependence. It accepts as substrates all neutral amino acids, including glutamine, asparagine, and branched-chain and aromatic amino acids, and excludes methylated amino acids, anionic amino acids, and cationic amino acids. Act as a cell surface receptor for feline endogenous virus RD114, baboon M7 endogenous virus and type D simian retroviruses.

Specific Activity

Tested positive against native antigen.

Target

SLC1A5

Source

Mouse

Species Reactivity

Human

Type

IgG

Expression Host

CHO

Purity

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

Applications

Suitable for use in FuncS, IF, Neut, ELISA, FC, IP, WB and most other immunological methods.

Storage

Store at 4°C for up to 3 months. For longer term storage aliquot into small volumes and store at -20°C.

ANTIGEN GENE INFOMATION

Gene Name

SLC1A5 solute carrier family 1 (neutral amino acid transporter), member 5 [Homo sapiens]

Official Symbol

SLC1A5

Synonyms

SLC1A5; solute carrier family 1 (neutral amino acid transporter), member 5; M7V1, RDRC; neutral amino acid transporter B; AAAT; ASCT2; ATB; RD114 virus receptor; baboon M7 virus receptor; neutral amino acid transporter B; solute carrier family 1 member 5; RD114/simian type D retrovirus receptor; sodium-dependent neutral amino acid transporter type 2; R16; ATBO; M7V1; RDRC; M7VS1; FLJ31068

Gene ID

6510

mRNA Refseq

NM_001145144

Protein Refseq

NP_001138616

MIM

109190

UniProt ID

Q15758

Chromosome Location

19q13.3

Pathway

Amino acid transport across the plasma membrane, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved 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

L-glutamine transmembrane transporter activity; neutral amino acid transmembrane transporter activity; receptor activity; sodium:dicarboxylate symporter activity; symporter activity;

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