SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

# Product Information

## Recombinant Human Anti-Human SLC1A5 Monoclonal Antibody

Cat. No.: **HOM-19221**
This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant humanized antibody expressed in CHO binding to human SLC1A5.

### Antigen Description

ASC amino-acid transporter 2 (ASCT2) is a major glutamine transporter that has an essential role in tumour growth and progression.

### Target

SLC1A5

### Species Reactivity

Human

### Type

Human IgG

### Expression Host

CHO

### Clone

Monoclonal

### Purity

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

### Applications

ELISA, WB, IHC, FCM, IP, IF. Optimal dilutions/concentrations should be determined by the end user.

### Molecular Weight

145.41 kDa

### Stability

Samples are stable for up to twelve months from date of receipt at - 20°C and are stable for six months at 4 °C.

### Storage

Store it under sterile conditions at -20 °C upon receiving. Recommend to pack the antibody into smaller quantities for optimal storage.

### Ship

2-8°C, BLUE ICE

## 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(0); AAAT; ASCT2; ATB(0); 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;

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com