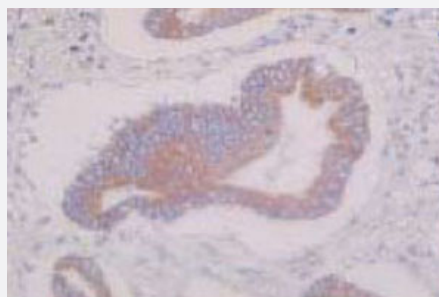


SLC7A5 monoclonal antibody, clone 4D9

Catalog # MAB1711

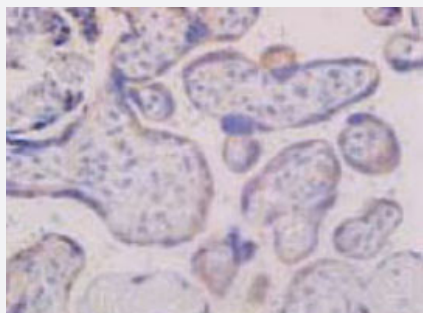
Size 20 ug

Applications



Immunohistochemistry

Immunohistochemical analysis of human stomach papillary adenocarcinoma tissue, using SLC7A5 monoclonal antibody, clone 4D9 (Cat # MAB1711) .



Immunohistochemistry

Immunohistochemical analysis of human syncytiotrophoblast tissue, using SLC7A5 monoclonal antibody, clone 4D9 (Cat # MAB1711) .

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of SLC7A5.
Immunogen	A synthetic peptide corresponding to human SLC7A5.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgM
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	Immunohistochemistry (2-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.1% BSA, 0.1% proclin)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry

Immunohistochemical analysis of human stomach papillary adenocarcinoma tissue, using SLC7A5 monoclonal antibody, clone 4D9 (Cat # MAB1711) .

- Immunohistochemistry

Immunohistochemical analysis of human syncytiotrophoblast tissue, using SLC7A5 monoclonal antibody, clone 4D9 (Cat # MAB1711) .

Gene Info — SLC7A5

Entrez GeneID	8140
Gene Name	SLC7A5
Gene Alias	4F2LC, CD98, D16S469E, E16, LAT1, MPE16, hLAT1
Gene Description	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5
Omim ID	600182
Gene Ontology	Hyperlink
Gene Summary	y+ system)
Other Designations	4F2 light chain CD98 light chain L-type amino acid transporter 1 integral membrane protein E16 large neutral amino acids transporter 1 large neutral amino acids transporter small subunit 1 sodium-independent neutral amino acid transporter LAT1

Publication Reference

- [Human L-type amino acid transporter 1 \(LAT1\): characterization of function and expression in tumor cell lines.](#)

Yanagida O, Kanai Y, Chairoungdua A, Kim DK, Segawa H, Nii T, Cha SH, Matsuo H, Fukushima J, Fukasawa Y, Tani Y, Taketani Y, Uchino H, Kim JY, Inatomi J, Okayasu I, Miyamoto K, Takeda E, Goya T, Endou H.

Biochimica et Biophysica Acta 2001 Oct; 1514(2):291.

Application: WB-Ce, Human, T24 cells

- [Expression of a system L neutral amino acid transporter at the blood-brain barrier.](#)

Matsuo H, Tsukada S, Nakata T, Chairoungdua A, Kim DK, Cha SH, Inatomi J, Yorifuji H, Fukuda J, Endou H, Kanai Y.

Neuroreport 2000 Nov; 11(16):3507.

Application: IF, IHC, Rat, Brain

- [Amino-acid transport by heterodimers of 4F2hc/CD98 and members of a permease family.](#)

Mastroberardino L, Spindler B, Pfeiffer R, Skelly PJ, Loffing J, Shoemaker CB, Verrey F.

Nature 1998 Sep; 395(6699):288.

Application: IF, IHC, Frog, Frog oocyte sections

- [Expression cloning and characterization of a transporter for large neutral amino acids activated by the heavy chain of 4F2 antigen \(CD98\).](#)

Kanai Y, Segawa H, Miyamoto K, Uchino H, Takeda E, Endou H.

The Journal of Biological Chemistry 1998 Sep; 273(37):23629.

- [Family of neutral and acidic amino acid transporters: molecular biology, physiology and medical implications.](#)

Kanai Y.

Current Opinion in Cell Biology 1997 Aug; 9(4):565.

Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Multiple Myeloma](#)