SLC3A2 monoclonal antibody, clone UM7F8

Catalog # MAB6960 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native SLC3A2.
Immunogen	Native purified SLC3A2 from Molt 13 T cell line.
Host	Mouse
Reactivity	Human
Specificity	Antibody UM7F8 is comitogenic with soluble anti-CD2 and immobilized anti-CD3 mAbs.
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)
Storage Instruction	Store at 4°C.

Applications

- Immunohistochemistry (Frozen sections)
- Flow Cytometry
- Immunoprecipitation

Gene Info — SLC3A2

Entrez GeneID	6520

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Gene Name	SLC3A2
Gene Alias	4F2, 4F2HC, 4T2HC, CD98, CD98HC, MDU1, NACAE
Gene Description	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2
Omim ID	158070
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the solute carrier family and encodes a cell surface, transmembrane pr otein with an alpha amylase domain. The protein exists as the heavy chain of a heterodimer, coval ently bound through di-sulfide bonds to one of several possible light chains. It associates with inte grins and mediates integrin-dependent signaling related to normal cell growth and tumorigenesis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [pr ovided by RefSeq
Other Designations	4F2 cell-surface antigen heavy chain|4F2 heavy chain|CD98 heavy chain|antigen defined by mono clonal antibody 4F2, heavy chain|antigen identified by monoclonal antibodies 4F2, TRA1.10, TRO P4, and T43|heavy chain|lymphocyte activation antigen 4F2 large subu

Publication Reference

- The human 4F2 antigen: evidence for cryptic and noncryptic epitopes and for a role of 4F2 in human T lymphocyte activation.

  Freidman AW, Diaz LA Jr, Moore S, Schaller J, Fox DA.

  Cellular Immunology 1994 Apr; 154(1):253.

  Application: Flow Cyt, Human, Mouse, Fibroblasts, PBMC

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Lymphoma
- Multiple Myeloma

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