

Product datasheet for **AM05637PU-N**

Slc3a2 Rat Monoclonal Antibody [Clone ID: H202-529.4.1.4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	H202-529.4.1.4
Applications:	FC
Recommended Dilution:	Flow Cytometry: 1/20 - 1/200; Use 10 µl of the suggested working dilution to label 1x10e6 cells in 100 µl.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Thymic epithelial cells from mouse
Specificity:	This antibody recognises CD98 (also known as 4F2 and SLC3A2), a type II transmembrane glycoprotein which associates with members of the L-type amino transporter family to form a heterodimeric complex.
Formulation:	Phosphate buffered saline pH 7.4 containing 0.09% Sodium Azide (NaN ₃) State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Should this product contain a precipitate we recommend microcentrifugation before use.
Stability:	Shelf life: one year from despatch.
Gene Name:	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2
Database Link:	Entrez Gene 17254 Mouse P10852



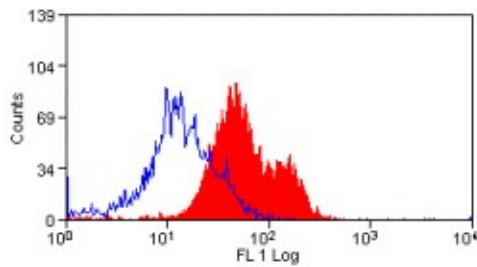
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Background:

CD98 constitutes the heavy chain of the complex and is required for the surface expression and basolateral localization of the amino acid transporter complex in polarized epithelial cells. The CD98 heavy chain also interacts with beta 1 integrins and regulates their activation through the cytoplasmic domains and transmembrane regions. Studies suggest that overexpression of CD98 may contribute to cell growth and survival by regulating integrin signalling, and therefore may play an important role in tumorigenesis.

Synonyms:

4F2hc, MDU1

Product images:

Staining of mouse peripheral blood lymphocytes with RAT ANTI MOUSE CD98.