

Product datasheet for **SM3080B**

CD98 (SLC3A2) Mouse Monoclonal Antibody [Clone ID: MEM-108]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-108
Applications:	FC
Recommended Dilution:	Indirect immunofluorescence analysis by Flow Cytometry : 1:200 as starting dilution.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	RAJI human Burkitt's lymphoma cell line
Specificity:	This antibody reacts with CD98, a 125 kDa disulfide-linked heterodimer (80 kDa glycosylated heavy chain + 45 kDa non-glycosylated light chain). CD98 is expressed on T lymphocytes (upon activation) and activated NK cells; it is also present at low levels on B lymphocytes, NK cells, monocytes and platelets.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 Label: Biotin State: Liquid purified Ig fraction Label: Conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2 - 8 °C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	solute carrier family 3 member 2
Database Link:	Entrez Gene 6520 Human P08195



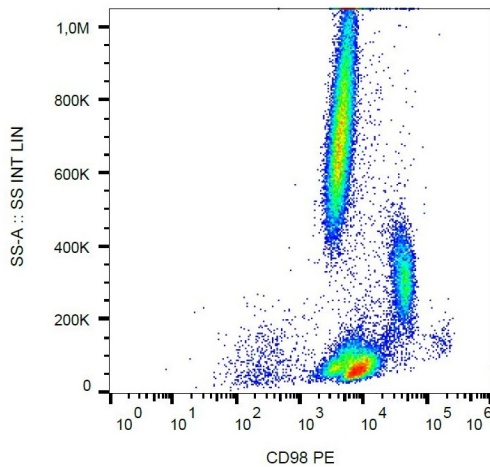
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Background:

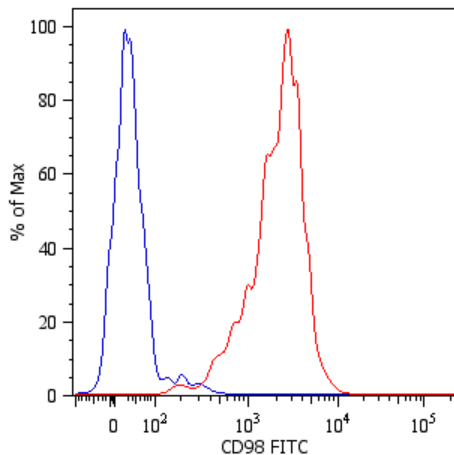
CD98 (4F2) is a type II transmembrane glycoprotein which serves as the heavy chain of the heterodimeric amino acid transporters (HATs). CD98, linked to various light chains by disulfide bond, is responsible for cell surface expression and basolateral localization of this transporter complex in polarized epithelial cells and also interacts with b1 integrins and increases their affinity for ligand. Besides its roles in amino acid transport, CD98 is thus involved in cell fusion and activation. It is implicated in regulation of cellular differentiation, growth and apoptosis.

Synonyms:

4F2hc, MDU1

Product images:


Surface staining of human peripheral blood cells with anti-human CD98 (MEM-108) PE.



Surface staining of human peripheral blood cells with anti-human CD98 (MEM-108) FITC. Cells in the monocyte gate were used for analysis.