

Anti-Hu CD98 Purified SLC7A5 Monoclonal Antibody

Catalog Number: M01016

About SLC7A5

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 beta1 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.

Overview

Product Name	Anti-Hu CD98 Purified SLC7A5 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD98 Purified SLC7A5 Monoclonal Antibody (Catalog# M01016). Tested in Flow Cytometry, IP, IHC-P application(s). This antibody reacts with Human.
Application	Flow Cytometry, IP, IHC-P
Clonality	Monoclonal MEM-108
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q01650

Technical Details

Immunogen	RAJI human Burkitt's lymphoma cell line. The antibody MEM-108 reacts with an extracellular epitope of 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.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Flow cytometry: 4 ug/ml.

Immunohistochemistry (paraffin sections): 10 ug/ml; positive tissue: liver.

Anti-Hu CD98 Purified SLC7A5 Monoclonal Antibody (M01016) Images

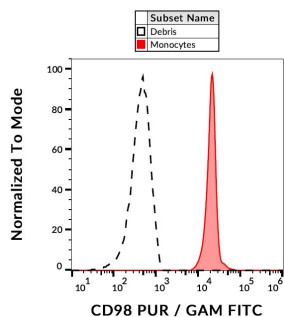


Figure 1. Flow Cytometry validation of SLC7A5 using Anti-Hu CD98 Purified SLC7A5 Monoclonal Antibody (M01016).

Flow cytometry analysis (surface staining) of human peripheral blood monocytes with anti-human CD98 (MEM-108) purified

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