

30-1169: Anti-CD98 Monoclonal Antibody (Clone:MEM-108)

Clonality :	Monoclonal
Clone Name :	MEM-108
Application :	FACS, IP, IHC
Reactivity :	Human
Gene :	SLC3A2
Gene ID :	6520
Uniprot ID :	P08195
Format :	Purified
Alternative Name :	SLC3A2, MDU1, 4F2 cell-surface antigen heavy chain, 4F2 heavy chain antigen, Lymphocyte activation antigen 4F2 large subunit, Solute carrier family 3 member 2
Isotype :	Mouse IgG1
Immunogen Information :	RAJI human Burkitt's lymphoma cell line

Description

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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry Recommended dilution: 4 $\mu\text{g/ml}$

Immunoprecipitation Immunohistochemistry Recommended dilution: 10 $\mu\text{g/ml}$

Positive tissue: liver