cellsciences.com

SLC3A2
Mouse Anti-Human CD98 (Clone MEM-108) mAb

Catalog No.	MON1070	**Quantity:**	100 µg

Alternate Names: 4F2 cell-surface antigen heavy chain, 4F2hc, 4F2 heavy chain antigen, Lymphocyte activation antigen 4F2 large subunit, Solute carrier family 3 member 2, CD98

Description: MON1070 reacts with CD98, a 125 kDa disulfide-linked heterodimer (80 kDa glycosylated heavy chain + 45 kDa non-glykosylated 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. 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.

UniProt ID: P08195

Concentration: 1.0 mg/ml

Specificity: CD98

Host: Mouse

Immunogen: Raji Burkitt's lymphoma cell line

Isotype: IgG1

Clone: MEM-108

Formulation: PBS, pH 7.4 containing 15 mM sodium azide
Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Applications: **Flow cytometry:** suggested concentration 4 µg/ml
IHC: suggested concentration 10 µg/ml
IP

Storage & Stability: Store undiluted antibody at 2-8°C for up to 1 year.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com