

## 30-2188: Anti-CD98 Monoclonal Antibody (Clone:MEM-108)-PE Conjugated

|                                |  |
|--------------------------------|--|
| <b>Clonality :</b>             | Monoclonal   |
| <b>Clone Name :</b>            | MEM-108  |
| <b>Application :</b>           | FACS   |
| <b>Reactivity :</b>            | Human  |
| <b>Conjugate :</b>             | PE   |
| <b>Gene :</b>                  | SLC3A2   |
| <b>Gene ID :</b>               | 6520   |
| <b>Uniprot ID :</b>            | P08195   |
| <b>Alternative Name :</b>      | SLC3A2, MDU1, 4F2 cell-surface antigen heavy chain, 4F2 heavy chain antigen, Lymphocyte activation antigen 4F2 large subunit, Solute carrier family 3 member 2 |
| <b>Isotype :</b>               | Mouse IgG1   |
| <b>Immunogen Information :</b> | RAJ1 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

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 tests   |
| <b>Storage condition :</b> | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. |

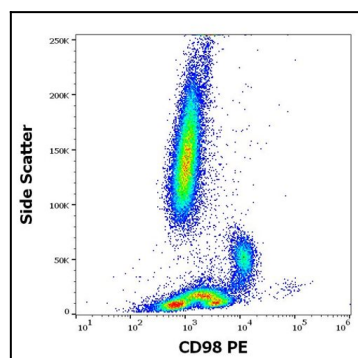


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD98 (MEM-108) PE antibody (concentration in sample 1.67 µg/ml).

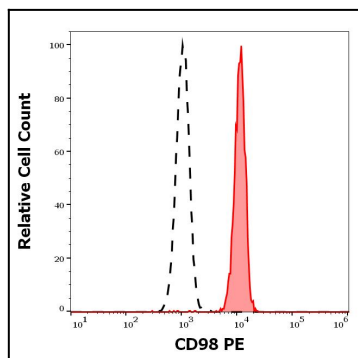


Figure 2: Separation of human monocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD98 (MEM-108) PE antibody (concentration in sample 1.67  $\mu\text{g/ml}$ ).