

## Rat CD98 Monoclonal Antibody | anti-CD98 antibody

RAT ANTI MOUSE CD98

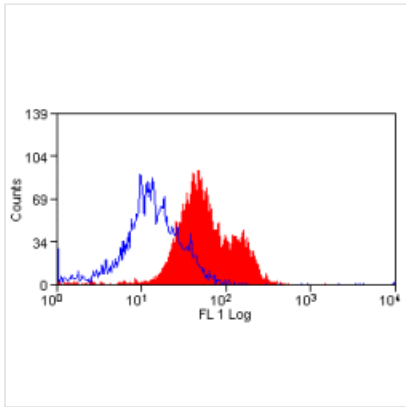
|                              |                    |                                                         |
|------------------------------|--------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA49733</b> | HOST<br><b>Rat</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|------------------------------|--------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

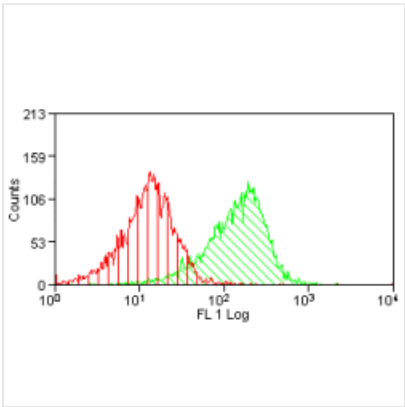
CD98; Monoclonal Antibody; RAT ANTI MOUSE CD98; anti-CD98 antibody

### PRODUCT SPECIFICATIONS

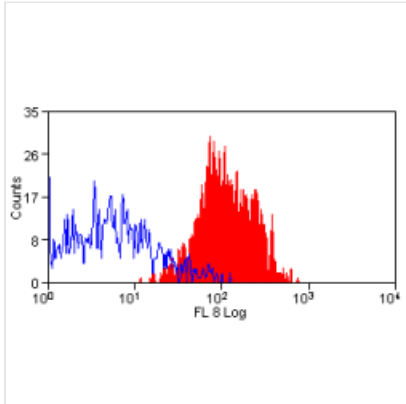
|                                                |                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rat                                                                                                                                                                                                                                                                                                                                                            |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                     |
| Isotype                                        | IgG1                                                                                                                                                                                                                                                                                                                                                           |
| Clone Number                                   | H202-529.4.1.4                                                                                                                                                                                                                                                                                                                                                 |
| Form/Format                                    | Purified<br>Purified IgG - liquid                                                                                                                                                                                                                                                                                                                              |
| Concentration                                  | IgG concentration 1.0mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                     |
| Sequence Length                                | 565                                                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for anti-CD98 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                      |
| Perservative Stabilisers                       | 0.09% Sodium Azide (NaN <sub>3</sub> )<br>Preparation                                                                                                                                                                                                                                                                                                          |
| Immunogen                                      | Thymic epithelial cells from mouse<br>Buffer Solution                                                                                                                                                                                                                                                                                                          |
| Target Species                                 | Mouse                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                        | Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 18 months from date of despatch. |



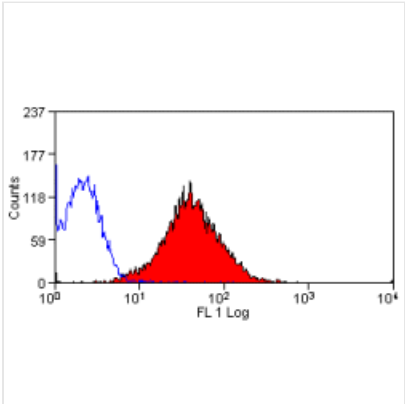
**Application Data**  
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD98



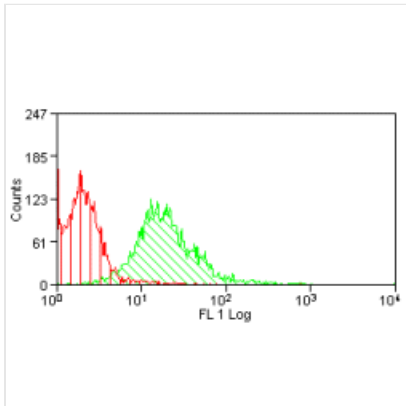
**Application Data**  
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD98



**Application Data**  
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD98: Alexa Fluor 647



**Application Data**  
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD98: Alexa Fluor 488



**Application Data**  
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD98:FITC

ADDITIONAL INFORMATION

**Related Product Information for anti-CD98 antibody**

Rat anti Mouse CD98 antibody, clone H202-529.4.1.4 recognizes murine CD98, also known as 4F2 and SLC3A2. CD98 is a type II transmembrane glycoprotein which associates with members of the L-type amino transporter family to form a heterodimeric complex. CD98 constitutes the heavy chain of the complex and is required for the surface expression and basolateral localization of the amino acid transporter complex in polarized epithelial cells. The CD98 heavy chain also interacts with beta 1 integrins and regulates their activation through the cytoplasmic domains and transmembrane regions. Studies suggest that overexpression of CD98 may contribute to cell growth and survival by regulating integrin signalling, and therefore may play an important role in tumorigenesis.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 238637277                                                                                                                                                                              |
| NCBI GeneID                      | 17254                                                                                                                                                                                  |
| NCBI Accession #                 | NP_001154885.1                                                                                                                                                                         |
| NCBI GenBank Nucleotide #        | NM_001161413.1                                                                                                                                                                         |
| UniProt Accession #              | P10852; Q54AH5; G3UWA6                                                                                                                                                                 |
| Molecular Weight                 | 62,240 Da                                                                                                                                                                              |
| NCBI Official Full Name          | 4F2 cell-surface antigen heavy chain isoform a                                                                                                                                         |
| NCBI Official Synonym Full Names | solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2                                                                                             |
| NCBI Official Symbol             | Slc3a2                                                                                                                                                                                 |
| NCBI Official Synonym Symbols    | 4F2; Cd98; Ly10; Mdu1; 4F2HC; Ly-10; NACAE; Ly-m10; Mgp-2hc; AI314110                                                                                                                  |
| NCBI Protein Information         | 4F2 cell-surface antigen heavy chain; CD98 antigen; CD98 heavy chain; antigen identified by monoclonal antibodies 4F2; solute carrier family 3 member 2; type II transmembrane protein |
| UniProt Protein Name             | 4F2 cell-surface antigen heavy chain                                                                                                                                                   |
| UniProt Gene Name                | Slc3a2                                                                                                                                                                                 |
| UniProt Synonym Gene Names       | Mdu1; 4F2hc                                                                                                                                                                            |
| UniProt Entry Name               | 4F2_MOUSE                                                                                                                                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd98-antibody-clone-h202-529-4-1-4-flow-cytometry-elisa/49733>