

Rat CD98 Monoclonal Antibody | anti-CD98 antibody

RAT ANTI MOUSE CD98

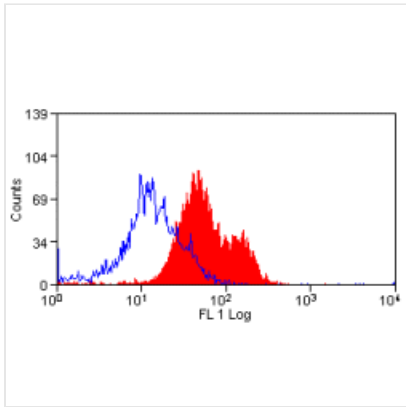
CATALOG # AAA49732	HOST Rat	APPLICATIONS Flow Cytometry, Functional Assay
------------------------------	--------------------	---

PRODUCT SYNONYMS

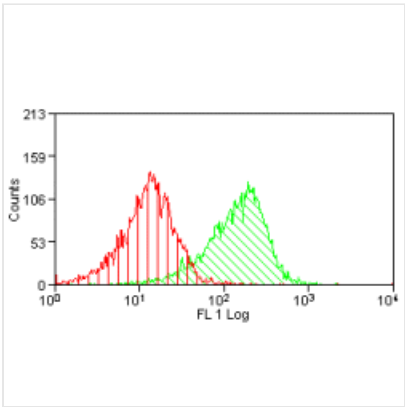
CD98; Monoclonal Antibody; RAT ANTI MOUSE CD98; anti-CD98 antibody

PRODUCT SPECIFICATIONS

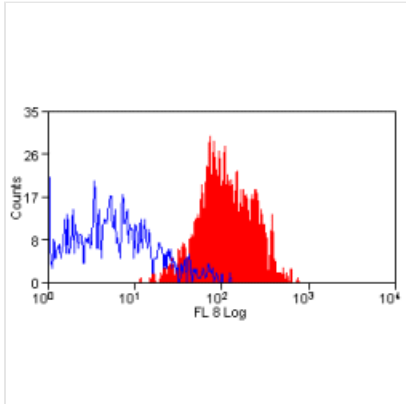
Host	Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	H202-529.4.1.4
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	565
Applicable Applications for anti-CD98 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) Preparation
Immunogen	Thymic epithelial cells from mouse 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. Shelf Life: 18 months from date of despatch.



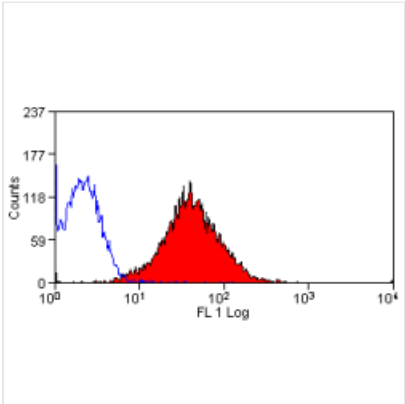
Application Data
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD98



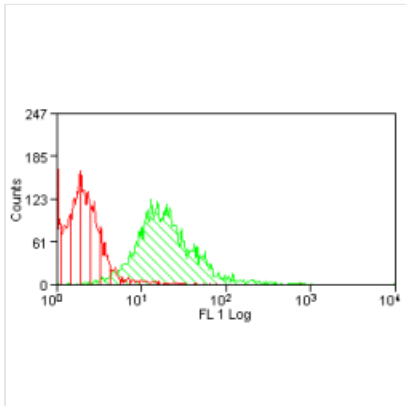
Application Data
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD98



Application Data
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD98: Alexa Fluor 647 (AAA49732A647)



Application Data
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD98: Alexa Fluor 488 (AAA49732A488)



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
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd98-antibody-clone-h202-529-4-1-4-flow-cytometry-elisa/49732>