

Rat anti-Mouse CD98 Monoclonal Antibody | anti-CD98 antibody

Anti-CD98 [RL388]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72122	Rat	Mouse	Flow Cytometry, Functional Assay, Immunoprecipitation

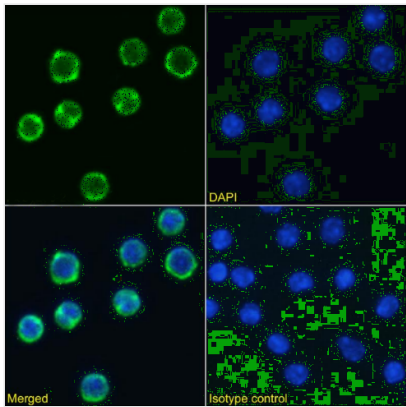
PRODUCT SYNONYMS

CD98; Monoclonal Antibody; Anti-CD98 [RL388]; 4F2hc; 4F2 cell-surface antigen heavy chain; Solute carrier family 3 member 2; RL-388; 4F2; SLC3A2;; anti-CD98 antibody

PRODUCT SPECIFICATIONS

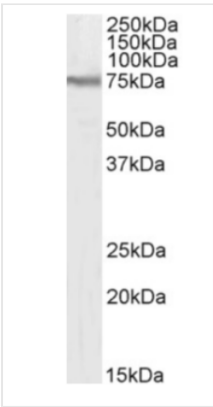
Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2a, kappa
Clone Number	RL388
Specificity	This antibody recognizes murine CD98, a heterodimeric cell surface glycoprotein.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD98 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation)
PMID	2415592
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of mouse splenocytes using anti-CD98 antibody RL388. Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes immobilized on Shi-fix cover-slips and stained with the chimeric rabbit IgG version of RL388 at 10ug/ml followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western Blot using anti-CD98 antibody RL388 . Mouse fetal liver lysate (35ug protein in RIPA buffer) was resolved on an SDS PAGE gel and blots probed with the chimeric rabbit IgG version of RL388 at 0.05ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-CD98 antibody	Recombinant monoclonal antibody to CD98. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma RL388. This antibody was raised by immunising rats with an IL 2-producing subline of the mouse T lymphoma EL4.
Product Categories/Family for anti-CD98 antibody	cytokine signalling ; adaptive immunity
References	MacDonald et al. Cell surface glycoproteins involved in the stimulation of interleukin 1-dependent interleukin 2 production by a subline of EL4 thymoma cells. I. Functional characterization by monoclonal antibodies. J. Immunol. December 1, 1985, 135 (6) 3944-3950 Note on publication: Describes the original generation of this antibody.

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-ri388-flow-cytometry-immunoprecipitation-elisa/72122>