

Rabbit anti-Human CD98 Antibody | anti-CD98 antibody

Anti-CD98 [EP3-1], Rabbit IgG

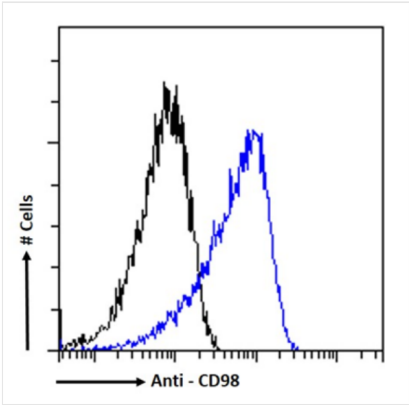
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72247	Rabbit	Human	Immunoprecipitation, Immunofluorescence

PRODUCT SYNONYMS

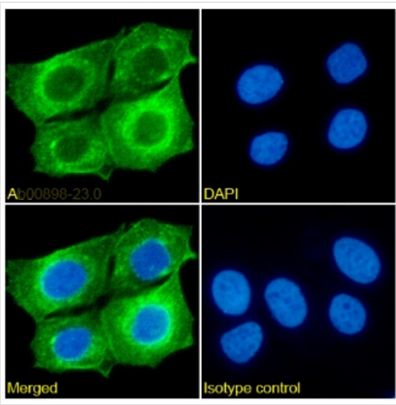
CD98; Anti-CD98 [EP3-1]; Rabbit IgG; LAT1; E16; MPE16; SLC7A5; anti-CD98 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Isotype	Rabbit IgG, Kappa
Clone Number	EP3-1
Specificity	Shown to bind to epitopes of sequences; LLHGDFHAFSAG-GGGC-NH2, LLHGDFH-GGGC-HN2, and FHAFSAG-GGGC-NH2, but showed no reactivity to live HeLa cells by IF.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD98 antibody	IP (Immunoprecipitation), IF (Immunofluorescence)
Immunogen	Immunised mice and constructed IgG1 Fab phage display libraries from the spleen cells. CD98-reactive recombinant Fab fragments were retrieved by epitope peptide panning.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



Application Data



IF (Immunofluorescence)
Immunofluorescence staining of MCF7 cells with antiCD98 (AAA72247) EP3-1. Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells stained with the chimeric rabbit IgG version of EP3-1 (AAA72247-23.0) at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72247-23.0, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD98 antibody	CD98 may be a target for T or B cell immune responses against tumour cells in cancer patients (Itoh 2008).
Product Categories/Family for anti-CD98 antibody	Cancer; Immunology; biosimilar
References	Itoh Antibody epitope peptides as potential inducers of IgG antibodies against CD98 oncoprotein. Cancer Sci. 2009 Jan;100(1):126-31. PMID:19018757

NCBI AND UNIPROT INFORMATION

NCBI GI #	71979932
NCBI GeneID	8140
NCBI Accession #	NP_003477.4
NCBI GenBank Nucleotide #	NM_003486.5
UniProt Accession #	Q01650; Q8IV97; Q9UBN8; Q9UP15; Q9UQC0
Molecular Weight	55,010 Da
NCBI Official Full Name	large neutral amino acids transporter small subunit 1
NCBI Official Synonym Full Names	solute carrier family 7 (amino acid transporter light chain, L system), member 5
NCBI Official Symbol	SLC7A5
NCBI Official Synonym Symbols	E16; CD98; LAT1; 4F2LC; MPE16; hLAT1; D16S469E
NCBI Protein Information	large neutral amino acids transporter small subunit 1; 4F2 LC; 4F2 light chain; CD98 light chain; integral membrane protein E16; L-type amino acid transporter 1; solute carrier family 7 member 5; large neutral amino acids transporter 1; y+ system cationic
UniProt Protein Name	Large neutral amino acids transporter small subunit 1
UniProt Gene Name	SLC7A5
UniProt Synonym Gene Names	CD98LC; LAT1; MPE16; 4F2 LC; 4F2LC; hLAT1

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/rabbit-human-antibody/cd98/72247>