

Anti-CD98 [CP1-5] Standard Size Ab00361-1.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Mouse IgG1, Fc Silent™, Kappa

Clone Number: CP1-5

Alternative Name(s) of Target: oncoprotein CD98; large neutral amino acid transporter; LAT1

UniProt Accession Number of Target Protein: P08195 and Q01650

Published Application(s): ELISA

Published Species Reactivity: Human

Immunogen: Epitope peptide (LLHGDFHAFSAG-GGGCCD) linked to KLH.

Specificity: Binds specifically to human CD98.

Application Notes: This monoclonal antibody specifically binds to CD98, a heterodimeric glycoprotein forming the large neutral amino acid transporter (LAT1) which preferentially transports branched-chain and aromatic amino acids.

Antibody First Published in: Itoh et al. 2009 Antibody epitope peptides as potential inducers of IgG antibodies against CD98 oncoprotein. Cancer Science 2009; 100(1):126-131 [PMID:19018757](#)

Note on publication: Describes the design of peptides based on the epitope of a tumour suppressive anti-CD98 antibody, used to generate further IgG1 antibodies.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.