Anti-CD98 [RL388] Standard Size Ab01268-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa
Clone Number: RL388
Alternative Name(s) of Target: 4F2hc; 4F2 cell-surface antigen heavy chain; Solute carrier family 3 member 2; RL-388; 4F2; SLC3A2;
UniProt Accession Number of Target Protein: P10852
Published Application(s): IP, stimulatory, FC
Published Species Reactivity: Mouse
Immunogen: This antibody was raised by immunising rats with an IL 2-producing subline of the mouse T lymphoma EL4.
Specificity: This antibody recognises murine CD98, a heterodimeric cell surface glycoprotein.
Application Notes: This antibody has been used in immunoprecipitation analysis to characterise the CD98 antigen (Luscher et al, 1985) and flow cytometric analysis of CD98 expression by γδ T cells (Cao et al, 2016). This antibody has been shown to stimulate IL-2 secretion by a T cell lymphoma EL4 subline (EL4-6.1) in the presence of IL-1 (MacDonald et al, 1985). This antibody did not exert stimulatory effects on the parental EL4 line nor a series of ovalbumin-specific T-T hybrids (MacDonald et al, 1985).
Antibody First Published in: 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 PMID:2415592
Note on publication: Describes the original generation of this antibody.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration:

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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.

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