

APC anti-mouse CD98 (4F2)

Catalog # / Size: 1241055 / 25 µg
1241060 / 100 µg

Clone: RL388

Isotype: Rat IgG2a, κ

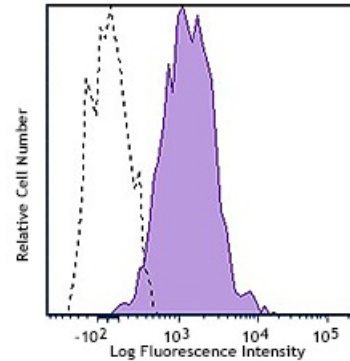
Immunogen: Subline of mouse T lymphoma EL4

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.2 mg/ml



C57BL/6 splenocytes stained with CD98 (clone: RL388) APC (filled histogram) or rat IgG2a, κ APC isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Luscher B, *et al.* 1985. *J. Immunol.* 135 :3951
2. MacDonald HR, *et al.* 1985. *J. Immunol.* 135 :3944

Description: CD98 is a cell surface glycoprotein of 125 kd consisting of an 85 kd heavy chain and a 40 kd light chain. It is expressed on T, B, NK cells, granulocytes and many cell lines and tumor cells. CD98 has been shown to be involved in sodium-dependent calcium flux in muscles cells and lymphocyte activation.

Antigen References: 1. Luscher B, *et al.* 1985. *J. Immunol.* 135 :3951
2. MacDonald HR, *et al.* 1985. *J. Immunol.* 135 :3944