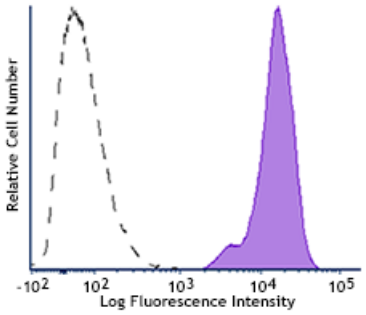
SONY

Product Data Sheet

PerCP/Cyanine5.5 anti-human CD298

Catalog # / Size:	2308545 / 25 tests 2308550 / 100 tests
Clone:	LNH-94
Isotype:	Mouse IgG1, κ
Reactivity:	Human, Non-human primate, Other
Preparation:	The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific



Human peripheral blood lymphocytes were stained with CD298 (clone LNH-94) PerCP/Cyanine5.5 (filled histogram) or mouse IgG1, κ PerCP/Cyanine5.5 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 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood. * PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Description:	CD298 or the β3 Na+/K+ ATPase, is a 42 kD type II transmembrane protein, also known as ATP1B3. An integral plasma membrane protein, Na+/K+ ATPase is composed of one α and one β subunits. Four isoforms of the α and three isoforms of the β subunits have been reported. Na+/K+ ATPase couples ATP hydrolysis to the development of an ionic gradient by pumping Na+ and K+ ions in opposite directions across the cell plasma membrane. It has broad tissue distribution, including all leukocytes and many other tissues.
Antigen References:	1. Zola H, *et al.* 2007. *Leukocyte and Stromal Cell Molecules:The CD Markers Wiley-Liss A John Wiley & Sons Inc, Publication* 2. Chiampanichayakul S, *et al.* 2006. Tissue Antigens. 68:509 3. Malik N, *et al.* 1996. *J. Biol. Chem.* 271:22754