SONY

Product Data Sheet

APC anti-human CD328 (Siglec-7)

Catalog # / Size: 2296030 / 100 tests
2296025 / 25 tests

Clone: 6-434

Isotype: Mouse IgG1, κ

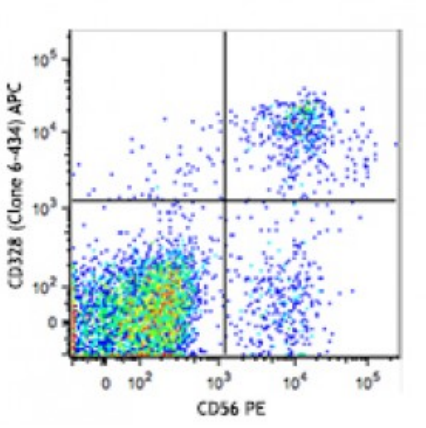
Reactivity: Human

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 and 0.2% (w/v) BSA (origin USA).

Workshop Number: VIII 80652

Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with CD56 PE and CD328 (clone 6-434) APC (top) or mouse IgG1, κ APC isotype control (bottom).

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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: NULL

Description: Siglec-7, also known as p75/AIRM1, is a 75 kD type I transmembrane protein and a member of the family of sialic acid-binding immunoglobulin-like lectins (Siglecs). It is primarily found on NK cells and monocytes. The cytoplasmic domain of Siglec-7 contains immunoreceptor tyrosine-based inhibitory motif (ITIM). CD328 mediates sialic acid-dependent cell-cell binding and functions as an inhibitory receptor of NK cells. CD328 preferentially binds to sialylated glycans with α2,8 disialyl and α2,6 sialyl residues.

Antigen References:
1.Avril T, *et al.*. 2006. *Infection and Immunity* 74:4133
2.Avril T, *et al.*. 2004. *J. Immunol.* 173:6841
3.Yamaji T, *et al.*. 2005. *Glycobiology* 15:667

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com