

Alexa Fluor® 700 anti-human CD328 (Siglec-7)

Catalog # / Size: 2296045 / 25 tests
2296050 / 100 tests

Clone: 6-434

Isotype: Mouse IgG1, κ

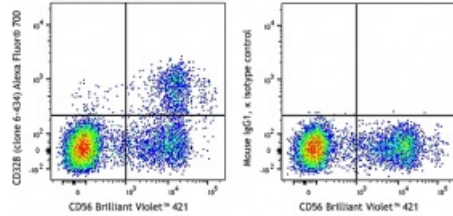
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 700.

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 Brilliant Violet 421™ and CD328 (Siglec-7) (clone 6-434) Alexa Fluor® 700 (left) or Mouse IgG1, κ Alexa Fluor® 700 isotype control (right).

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.

* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

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