

PerCP/Cyanine5.5 anti-human CD328 (Siglec-7)

Catalog # / Size: 2296080 / 100 tests
2296075 / 25 tests

Clone: 6-434

Isotype: Mouse IgG1, κ

Immunogen: Recombinant human Beta2-microglobulin

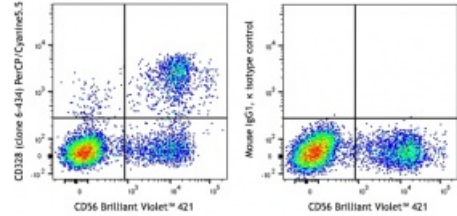
Reactivity: Human

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).

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) PerCP/Cyanine5.5 (left) or mouse IgG1, κ PerCP/Cyanine5.5 isotype control (right).

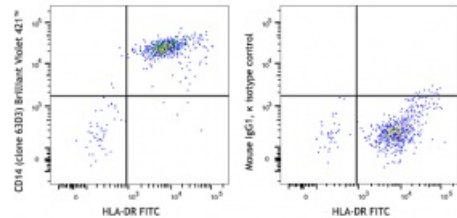
Applications:

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.

* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application Notes: Based on in-house testing, staining for clone A17082E is not blocked by clone W6/32 (anti-HLA-A,B,C) and is only partially blocked by clone 2M2 also raised against human β2-microglobulin.



Human peripheral blood monocytes were stained with HLA-DR FITC and Brilliant Violet 421™ anti-human CD14 (clone 63D3) (left) or Brilliant Violet 421™ mouse IgG1, κ isotype control (right).

- Application References:**
1. Stelner E, et al. 2006. *J. Cell Sci.* 119:459.
 2. Stewart DA, et al. 2012. *Mol. Cancer Res.* 10:727. (IF)

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 α 2,8 disialyl and α 2,6 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