SONY

Product Data Sheet

PerCP/Cyanine5.5 anti-mouse CD182 (CXCR2)

Catalog # / Size: 1346540 / 100 µg
1346535 / 25 µg

Clone: SA044G4

Isotype: Rat IgG2a, κ

Immunogen: Mouse CXCR2-transfected cells.

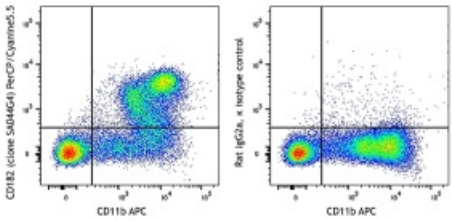
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions.

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

Workshop Number: HCDM listed

Concentration: 0.2



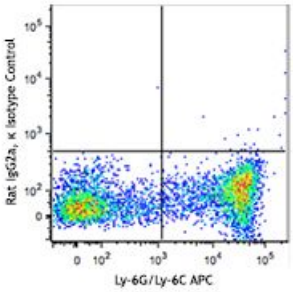
C57BL/6 mouse bone marrow cells were stained with CD11b APC and CD182 (CXCR2, clone SA044G4) PerCP/Cyanine5.5 (left) or rat IgG2a, κPerCP/Cyanine5.5 isotype control (right).

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 ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.



Description: CD182, also known as CXCR2, is a G-protein coupled receptor with 7 transmembrane regions that is involved in chemotaxis, neutrophil activation and angiogenesis. CXCR2 is expressed by neutrophils, basophils, subset of T cells, monocytes, macrophages, NK and NKT cells. Its ligands are CXCL1, CXCL2, CXCL3 and CXCL5.

Antigen References:

1. Spaan AN, *et al.* 2014. *Nat. Commun.* 5:5438.
2. Natsuaki Y, *et al.* 2014. *Nat. Immunol.* 11:1064.
3. Hsieh CY, *et al.* 2014. *J. Immunol.* 193:3693.
4. Diana J, and Lehuen A. 2014. *EMBO Mol. Med.* 6:1090.
5. Stoolman JS, *et al.* 2014. *J. Immunol.* 193:564.

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