

PE/Dazzle™ 594 anti-mouse CD182 (CXCR2)

Catalog # / Size: 1348075 / 25 µg

Clone: SA045E1

Isotype: Rat IgG2a, κ

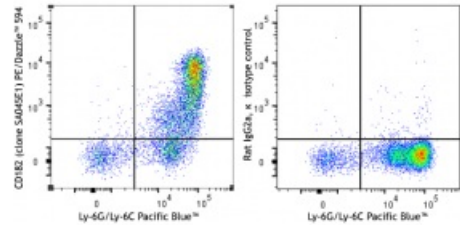
Immunogen: Mouse CXCR2-transfected cells.

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions.

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

Concentration: 0.2 mg/mL



C57BL/6 mouse bone marrow cells were stained with Ly-6G/Ly-6C Pacific Blue™ and CD182 (CXCR2) (clone SA045E1) PE/Dazzle™ 594 (left) or rat IgG2a, κ PE/Dazzle™ 594 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.

Application Notes: Additional reported applications (for the relevant formats) include: blocking of ligand binding.

- Application References:**
1. Akbari O, *et al.* 2002. *Nat. Med.* 8:1024.
 2. Harada H, *et al.* 2003. *J. Clin. Invest.* 112:234.
 3. McAdam AJ, *et al.* 2000. *J. Immunol.* 165:5035. (FC Block)
 4. Tan SL, *et al.* 2006. *J. Immunol.* 176:2872. [PubMed](#)

Description: CD182, also known as CXCR2, is a G-protein coupled receptor with seven transmembrane regions that is involved in chemotaxis, neutrophil activation, and angiogenesis. CXCR2 is expressed by neutrophils, basophils, a subset of T cells, monocytes, macrophages, natural killer (NK) and natural killer T cells (NKT). 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.* 15:1064.
 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.