

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

**Catalog # / Size:** 1346585 / 25 µg  
1346590 / 100 µg

**Clone:** SA044G4

**Isotype:** Rat IgG2a, κ

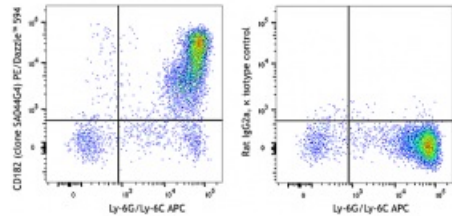
**Immunogen:** Mouse CXCR2-transfected cells.

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.

**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 APC and CD182 (CXCR2, clone SA044G4) 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.

\* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

- Application 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. *E*

**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.