

**PE/Cy7 anti-mouse CD16/32**

**Catalog # / Size:** 1383050 / 100 µg  
1383045 / 25 µg

**Clone:** S17011E

**Isotype:** Rat IgG2b, κ

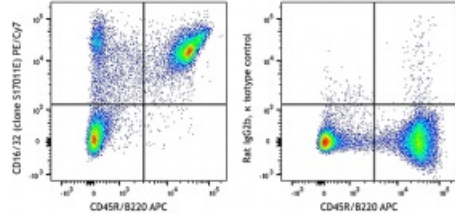
**Immunogen:** Mouse CCR1-transfectants.

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.

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

**Concentration:** 0.5 mg/ml



C57BL/6 mouse splenocytes stained with CD45R/B220 APC and CD16/32 (clone S17011E) PE/Cy7 (left) or Rat IgG2b, κ PE/Cy7 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 ≤ 0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Clone S17011E blocks both clone 93 and 2.4G2 also raised against mouse CD16/32

**Application References:**

**Description:** CD16 is the low affinity IgG Fc receptor III (FcR III) and CD32 is FcR II. CD16/CD32 are expressed on B cells, monocytes/macrophages, NK cells, granulocytes, mast cells, and dendritic cells. The Fc receptors bind antibody-antigen immune complexes and mediate adaptive immune responses. TruStain FcX™ PLUS is specific to the common epitope of CD16/CD32. It is useful for blocking non-specific binding of immunoglobulin to the Fc receptors and is more effective than TruStain FcX™.

- Antigen References:**
1. Lionakis MS, et al. 2012. *PLoS Pathog.* 8:e1002865.
  2. Gilliland CT, et al. 2013. *J. Biol. Chem.* 288:32194.
  3. Gong X, et al. 1997. *J. Biol. Chem.* 272:11682.
  4. Daugherty BL, Springer MS. 1997. *Genomics.* 41:294.
  5. Pakianathan DR, et al. 1997. *Biochemistry* 36:9642.