

**PE/Cy7 anti-human CD50 (ICAM-3)**

**Catalog # / Size:** 2250080 / 100 tests  
2250075 / 25 tests

**Clone:** CBR-IC3/1

**Isotype:** Mouse IgG1,  $\kappa$

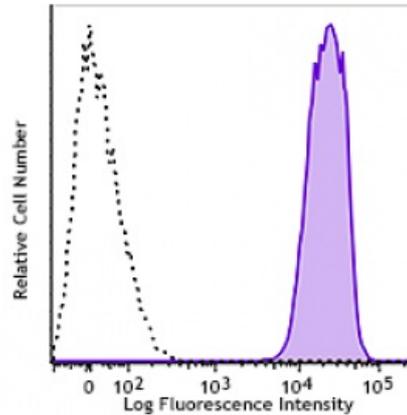
**Immunogen:** SKW3 cells

**Reactivity:** Human, Mouse, Non-human primate, Other, Rat

**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 and 0.2% (w/v) BSA (origin USA).

**Concentration:** Lot-specific



Human peripheral blood lymphocytes were stained with anti-human CD50 (clone CBR-IC3/1) PE/Cy7 (closed histogram) or mouse IgG1

**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  $\mu$ l per million cells or 5  $\mu$ l per 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications include: immunoprecipitation<sup>1</sup> and blocking<sup>1-3</sup>.

**Application References:** 1. Valent P, *et al.* 2001. *Immunol. Rev.* 179:74.

**Description:** CD50 is a 120-140 kD type I membrane protein also known as intercellular adhesion molecule 3 (ICAM-3). It is broadly expressed on leukocytes, endothelial cells, and Langerhans cells. CD50 is a member of the Ig superfamily. It provides costimulatory signal for T cells and regulates cell adhesion through interaction with LFA-1 (CD11a/CD18,  $\alpha_L/\beta_2$ ) integrin.

**Antigen References:** 1. Valent P, *et al.* 2001. *Immunol. Rev.* 179:74.