

**PE/Dazzle™ 594 anti-human CD18**

**Catalog # /** 2110635 / 25 tests  
**Size:** 2110640 / 100 tests

**Clone:** TS1/18

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

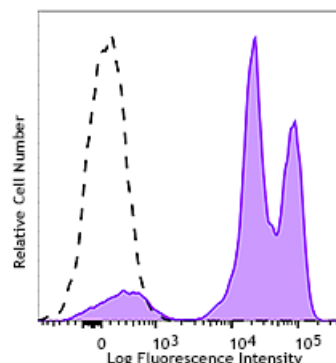
**Reactivity:** Human, Other

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

**Workshop Number:** V AS162

**Concentration:** Lot-specific



Human peripheral blood lymphocytes were stained with CD18 (clone TS1/18) PE/Dazzle™ 594 (filled histogram) or Mouse IgG1,  $\kappa$  PE/Dazzle™ 594 isotype control (open histogram).

**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.

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

**Application Notes:** Additional reported applications (for the relevant formats) include: inhibition of cell adhesion and migration<sup>3,4</sup>.

**Application References:** 1. Anderson D, *et al.* 1987. *Annu. Rev. Med.* 38:175.  
 2. Springer T. 1994. *Cell* 76:301.

**Description:** CD18 is a 90-95 kD type I transmembrane protein also known as integrin  $\beta_2$  subunit, LFA-1  $\beta$  subunit, and  $\beta_2$  integrin. CD18 non-covalently associates with CD11a, CD11b or CD11c. CD18 is expressed on all leukocytes. CD18 and associated  $\alpha$  chains function in adhesion and signaling in hematopoietic cells.

**Antigen References:** 1. Anderson D, *et al.* 1987. *Annu. Rev. Med.* 38:175.  
 2. Springer T. 1994. *Cell* 76:301.