

**PE anti-human CD9**

**Catalog # / Size:** 2160525 / 25 tests  
2160530 / 100 tests

**Clone:** HI9a

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

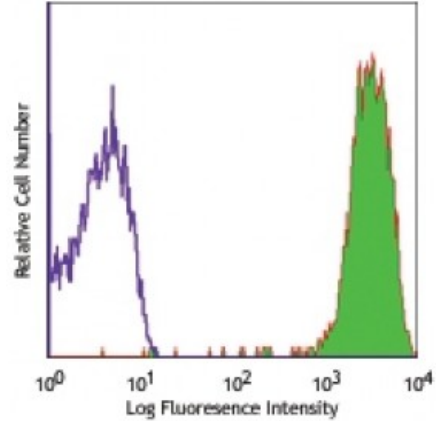
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE 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 P018

**Concentration:** Lot-specific



Human peripheral blood platelets stained with HI9a PE

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application References:**

- Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
- Valentijn AJ, *et al.* 2013. *Hum reprod.* 28:2695. [PubMed](#)

**Description:** CD9 is a 24 kD type III transmembrane protein also known as tetraspanin, MRP-1 and DRAP-24. It is a member of the tetraspan family (spanning the membrane four times) found on platelets, B cell progenitors, activated lymphocytes, granulocytes, endothelial cells and epithelial cells. CD9 induces adhesion, platelet aggregation, and B cell development. CD9 has been shown to associate with CD63, CD81, CD82, and CD36 and to bind to  $\beta_1$  integrins.

**Antigen References:**

- Miao WM, *et al.* 2001 *Blood* 97:1689.
- Ellerman DA, *et al.* 2003 *Mol. Biol Cell.* (Epub ahead of print).
- Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.