

**PerCP/Cy5.5 anti-mouse CD226 (DNAM-1)**

**Catalog # / Size:** 1244070 / 100 µg  
1244065 / 25 µg

**Clone:** 10E5

**Isotype:** Rat IgG2b, κ

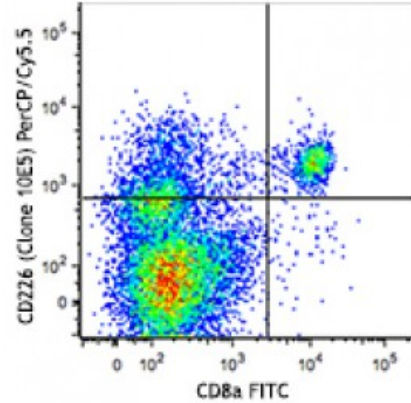
**Immunogen:** Th1 polarized T cell clones

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

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

**Concentration:** 0.2

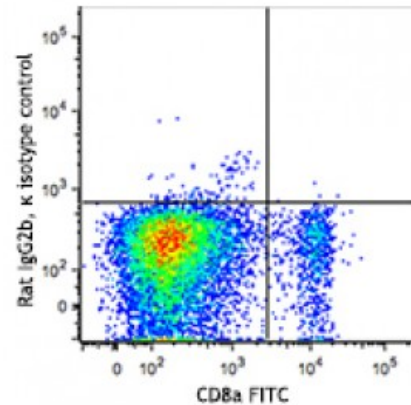


C57/B6 mouse splenocytes were stained with CD8a FITC and CD226 (clone 10E5) PerCP/Cy5.5 (top) or rat IgG2b, κ PerCP/Cy5.5 isotype control (bottom).

**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 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.



\* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

- Application References:**
1. Dardalhon V, et al. 2005. *J. Immunol.* 175:1558
  2. Huang Z, et al. 2011. *J Immunol.* 186:3421. [PubMed](#)

**Description:** CD226 (DNAM-1) is constitutively expressed on native CD8<sup>+</sup> cells and on CD4<sup>+</sup> T cells, macrophages and NK cells. This antibody (10E5) was reported to bind about 40% of inactivated CD4<sup>+</sup> cells and binds only to differentiated Th1 cells, but not to Th2 or Th0 cells. It is also reported to suppress antigen-specific T cell expansion and EAE (experimental allergic encephalitis) mediated by Th1 cells.

- Antigen References:**
1. Tahara Hanaoka S, et al. 2006. *Blood* 107:1491
  2. Shibuya K, et al. 2003. *J. Exp. Med.* 198:1829