

**PE/Cy7 anti-mouse CD226 (DNAM-1)**

**Catalog # / Size:** 1268130 / 100 µg  
1268125 / 25 µg

**Clone:** TX42.1

**Isotype:** Rat IgG2a, κ

**Reactivity:** Mouse

**Concentration:** NULL

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

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**Description:** Mouse CD226 (DNAM-1) is a 65 kd glycoprotein of a member of Ig super-family adhesion molecule containing 2 immunoglobulin-like domains. It is associated with leukocyte function associated antigen-1 (LFA-1) involving in TCR-mediated signal transduction for T cell proliferation and differentiation. CD226 is also involved in NK cell and T cell mediated cytotoxicity against certain tumors. CD226 (DNAM-1) is constitutively expressed on naïve CD8<sup>+</sup> and CD4<sup>+</sup> T cells, macrophages, and NK cells. It was reported that CD226 expression is up-regulated on Th1 cells, but down-regulated on Th2 and Th0 cells. CD155 and CD112 are the ligands for CD226.