

Biotin anti-mouse CD226 (DNAM-1)**Catalog # / Size:** 1268140 / 100 µg**Clone:** TX42.1**Isotype:** Rat IgG2a, κ**Reactivity:** Mouse**Concentration:** 0.5**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.

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⁺ and CD4⁺ 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.