

# Product Data Sheet

## Purified anti-mouse CD226 (DNAM-1)

**Catalog # / Size:** 128802 / 200 µg

**Clone:** 10E5

**Isotype:** Rat IgG2b, κ

**Immunogen:** Th1 polarized T cell clones

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography.

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

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.

## Applications:

**Applications:** FC - *Quality tested*  
IP - *Reported in the literature*

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**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+ cells and on CD4+ T cells, macrophages and NK cells. This antibody (10E5) was reported to bind about 40% of inactivated CD4+ 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

### Related Products:

**Product**  
Purified Rat IgG2b, κ Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)

**Clone**  
RTK4530

**Application**  
FC, ICC, ICFC, IF, IHC, IP, WB  
FC, ICC, ICFC  
FC, ICFC



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