SONY

Product Data Sheet

PerCP/Cyanine5.5 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

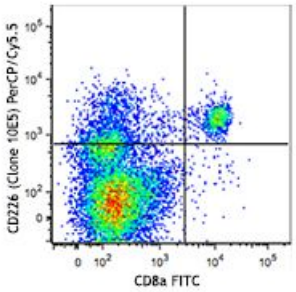
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions.

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

Workshop Number: 750 under optimal conditions.

Concentration: 0.2



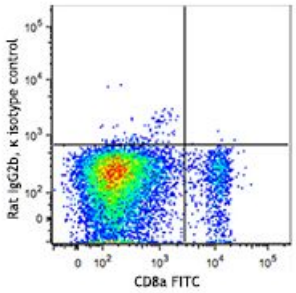
C57/B6 mouse splenocytes were stained with CD8a FITC and CD226 (clone 10E5) PerCP/Cy5.5 (top) or rat IgG2b, κPerCP/Cy5.5 isotype control (bottom).

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 µg per million cells in 100 µl 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 $CD8^+$ 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

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