

PerCP/Cyanine5.5 anti-human CD275 (B7-H2, ICOSL)

Catalog # / Size: 2147090 / 100 tests
2147085 / 25 tests

Clone: 2D3

Isotype: Mouse IgG2b, κ

Immunogen: Human B7H2-mIg fusion protein

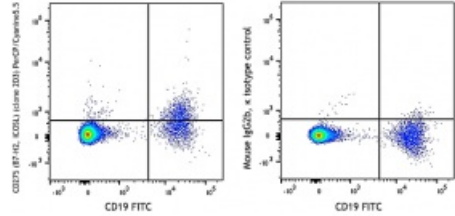
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Workshop Number: VII 70312

Concentration: Lot-specific



Peripheral blood mononuclear cells stimulated with Recombinant human CD40L plus IL-4 (overnight) was stained with CD19 FITC and CD275 (B7-H2, ICOSL) (clone 2D3) PerCP/Cyanine5.5 (filled histogram), or mouse IgG2b, κ PerCP/Cyanine5.5 isotype control (open histogram).

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 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application Notes: Clone SK1 recognizes the a chain of CD8. Additional reported applications (for the relevant formats) include: proteogenomics⁸, immunohistochemistry of acetone-fixed frozen tissue sections. This clone was tested in-house and does not demonstrate utility for formalin-fixed paraffin-embedded (FFPE) human tonsil sections.

Application References: 1. Kurosawa S, et al. 2003. *Am. J. Respir. Cell Mol. Biol.* 28:563.

Description: B7-H2, a member of the B7 family and the immunoglobulin superfamily, is a 40 kD protein also known as B7RP-1, B7h, B7-H2, GL50 and ICOS Ligand. Human B7-H2 is expressed by B lymphocytes, activated monocytes/macrophages, and dendritic cells. B7-H2 binds to a CD28-like receptor, inducible costimulator molecule (ICOS, AILIM, CRP-1), which is expressed by activated T cells. The interaction of ICOS with B7-H2 plays an important role in the T cell costimulation pathway.

Antigen References: 1. Wang S, et al. 2002. *J. Biol. Chem.* 96:2808.
2. Wong SC, et al. 2003. *Blood* 102:1831.

