SONY

Product Data Sheet

Alexa Fluor® 647 anti-human CD275 (B7-H2, ICOSL)

Catalog # / Size: 2147075 / 25 tests
2147080 / 100 tests

Clone: 2D3

Isotype: Mouse IgG2b, κ

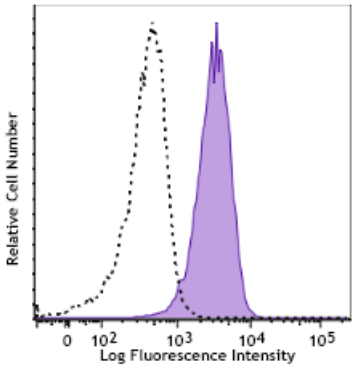
Immunogen: Human B7H2-mIg fusion protein

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

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

Concentration: Lot-specific



Human Burkitt's™ lymphoma cell line, Daudi was stained with CD275 (B7-H2, ICOSL) (clone 2D3) (clone 2D3) Alexa Fluor® 647 (filled histogram), or mouse IgG2b, κ isotype Alexa Fluor® 647 (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.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

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.

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