

Product Data Sheet

Biotin anti-human CD275 (B7-H2, ICOSL)

Catalog # / Size: 309406 / 100 µg

Clone: 2D3

Isotype: Mouse IgG2b, κ

Immunogen: Human B7H2-mlg fusion protein

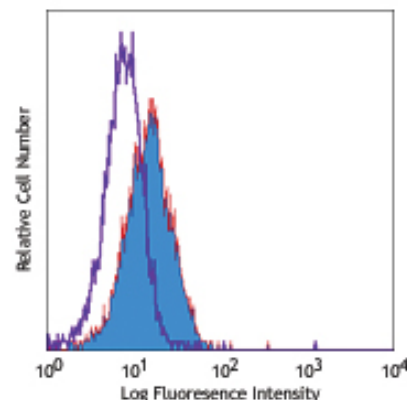
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

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. **Do not freeze.**



Human monocyte-derived dendritic cells stained with biotinylated 2D3, followed by Sav-PE

Applications:

Applications: FC - *Quality tested*

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 ≤2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation.

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 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.

Related Products:

Product
 Biotin Mouse IgG2b, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
 MPC-11

Application
 FC, ICFC
 FC, ICC, ICFC
 FC, ICFC
 FC, ICC, ICFC



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