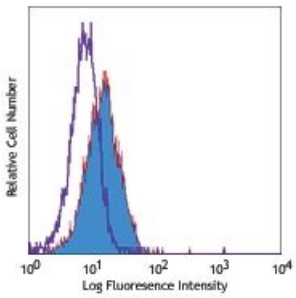
SONY

Product Data Sheet

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

Catalog # / Size:	2147030 / 100 µg
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 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



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

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