

Purified anti-human CD276 (B7-H3) Antibody

Catalog# / Size	331602 / 100 µg
Clone	DCN.70
Regulatory Status	RUO
Other Names	B7RP2
Isotype	Mouse IgG1, κ
Description	B7-H3 is a member of the B7 gene family. It has 88% amino acid sequence identity with mouse B7-H3. It is mostly expressed on professional APCs, including B cells, macrophages, and dendritic cells. Its expression on dendritic cells appears to be up-regulated by LPS. B7-H3 protein inhibits T cell activation and cytokine production. It was reported that monoclonal antibody against B7-H3 enhanced T cell proliferation in vitro and led to exacerbated EAE in vivo. Therefore, B7-H3 may be a negative regulator on T cell activation and function.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography.
Concentration	0.5 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
Application	FC - Quality tested
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.
RRID	AB_1279202 (BioLegend Cat. No. 331602)

Antigen Details

Structure	About 49.7 KD transmembrane protein characterized by extracellular IgV and IgC domains.
Distribution	B7-H3 is expressed on professional APCs, including B cells, dendritic cells, and macrophages. It is reported to express on a minor fraction of CD4+ and CD8+ cells.
Ligand/Receptor	The receptor has not been identified, but it seems to be expressed on activated T cells.
Bioactivity	B7-H3 is a negative regulator of T cell activation and IL-2 production.
Cell Type	Antigen-presenting cells, B cells
Biology Area	Costimulatory Molecules, Immunology
Molecular Family	CD Molecules
Antigen References	1. Sun M, <i>et al.</i> 2002. <i>J. Immunology</i> . 168:6294 2. Xu J, <i>et al.</i> 2006. <i>Cellular and Molecular Immunology</i> . 3:235
Gene ID	80381

Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD276 (B7-H3), PE anti-human CD276 (B7-H3), TotalSeq™-A0010 anti-human CD276 (B7-H3), TotalSeq™-D0010 anti-human CD276 (B7-H3), TotalSeq™-C0010 anti-human CD276 (B7-H3), TotalSeq™-B0010 anti-human CD276 (B7-H3)

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