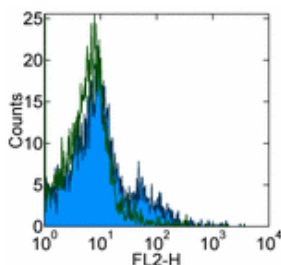


Anti-Human CD275 (B7-H2) Purified

Catalog Number: 14-5889

Also Known As: B7RP-1, B7RP1, ICOS-L, ICOSL, GL50, B7H2

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Mouse IgG1 κ Isotype Control Purified (cat. 14-4714) (open histogram) or Anti-Human CD275 (B7-H2) Purified (filled histogram) followed by Anti-Mouse IgG Biotin (cat. 13-4013) and Streptavidin PE (cat. 12-4317). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD275 (B7-H2) Purified


REF Catalog Number: 14-5889

Clone: MIH12

Concentration: 0.5 mg/ml


Host/Isotype: Mouse IgG1, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The MIH12 monoclonal antibody reacts with human B7RP-1, also known as B7h, B7-H2, GL50 and ICOS Ligand. B7RP-1, a member of the B7 family, has a predicted molecular weight of approximately 40 kDa and belongs to the Ig superfamily. Human B7RP-1 is expressed by activated monocytes/macrophages. B7RP-1 binds to the ICOS molecule (AILIM, CRP-1) expressed by activated T cells. The interaction of ICOS/B7RP-1 plays an important role in the T cell costimulation pathway.

Applications Reported

This MIH12 antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections.

Applicability of MIH12 for immunoprecipitation and immunoblotting (WB) has not been determined. (Please use Functional Grade purified MIH12, cat. 16-5889, in functional assays.)

Applications Tested

The MIH12 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes and IFN- γ -activated PBMC. This can be used at less than or equal to 1 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

- Youngnak-Piboonratanakit, P., F. Tsushima, et al. 2006. Expression and Regulation of Human CD275 on Endothelial Cells in Healthy and Inflamed Mucosal Tissues. *Scand J Immunol* 63: 191-198. (MIH12, FC, FA, IH/F, PubMed)
- Carreno, B. M. and M. Collins 2002. THE B7 FAMILY OF LIGANDS AND ITS RECEPTORS: New Pathways for Costimulation and Inhibition of Immune Responses. *Annu Rev Immunol* 20: 29-53.
- Liu, X., X. F. Bai, et al. 2001. B7H costimulates clonal expansion of, and cognate destruction of tumor cells by, CD8(+) T lymphocytes in vivo. *J Exp Med* 194(9): 1339-48.
- Iwai, H., Y. Kozono, et al. 2002. Amelioration of collagen-induced arthritis by blockade of inducible costimulator-b7 homologous protein costimulation. *J Immunol* 169(8): 4332-9.

Related Products

- 11-4011 Anti-Mouse IgG FITC
- 11-4317 Streptavidin FITC
- 12-4317 Streptavidin PE
- 13-4013 Anti-Mouse IgG Biotin (Polyclonal)
- 14-4714 Mouse IgG1 K Isotype Control Purified
- 17-4317 Streptavidin APC

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