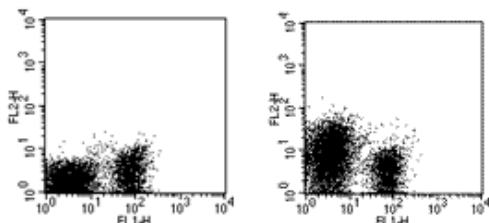


Anti-Mouse CD275 (B7-H2) PE

Catalog Number: 12-5985

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


RUO: For Research Use Only



Staining of BALB/c splenocytes with Anti-Mouse CD3e FITC (cat. 11-0031) and staining buffer (autofluorescence) (left) or 0.06 µg of Anti-Mouse CD275 (B7-H2) PE (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD275 (B7-H2) PE

 Catalog Number: 12-5985

Clone: HK5.3

Concentration: 0.2 mg/ml

Host/Isotype: Rat IgG2a, κ

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



Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The HK5.3 monoclonal antibody reacts with mouse 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 ~40 kDa and belongs to the Ig superfamily. Mouse B7RP-1 is expressed by antigen presenting cells including B cells, monocytes/macrophages and dendritic cells. 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

The HK5.3 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The HK5.3 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Iwai H, Kozono Y, et al. 2002. Amelioration of collagen-induced arthritis by blockade of inducible costimulator-b7 homologous protein costimulation. *J Immunol.* 169(8): 4332-9. Carreno BM, Collins M. 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, Bai XF, 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.

Related Products

12-4321 Rat IgG2a K Isotype Control PE

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