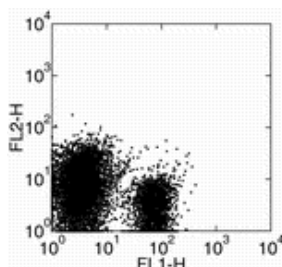


Anti-Mouse CD275 (B7-H2) Functional Grade Purified

Catalog Number: 16-5985

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

RUO: For Research Use Only



Staining of mouse splenocytes with Anti-Mouse CD3e FITC (cat. 11-0031) and Anti-Mouse CD275 (B7-H2) PE. Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD275 (B7-H2) Functional Grade Purified

REF Catalog Number: 16-5985

Clone: HK5.3

Concentration: 1 mg/ml

Host/Isotype: Rat IgG2a, κ


Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ μ g antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

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. It has also been reported in blocking in functional assays.

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 0.5 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

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

11-4317 Streptavidin FITC

11-4811 Anti-Rat IgG FITC

12-4317 Streptavidin PE

13-4813 Anti-Rat IgG Biotin (Polyclonal)

16-4321 Rat IgG2a K Isotype Control Functional Grade Purified

17-4317 Streptavidin APC

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