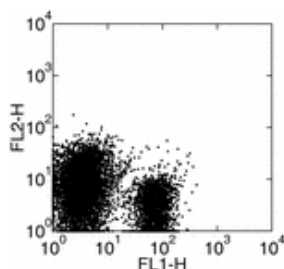


Anti-Mouse CD275 (B7-H2) Purified

Catalog Number: 14-5985

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

RUO: For Research Use Only



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

Product Information

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

REF Catalog Number: 14-5985

Clone: HK5.3

Concentration: 0.5 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.



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. It has also been reported in blocking in functional assays. HK5.3 is not recommended for use in immunohistochemical staining. Preliminary immunoblotting (WB) using mouse spleen cells indicated that HK5.3 may not be effective for detection of mouse B7RP-1 by this application. Applicability of HK5.3 in immunoprecipitation has not been determined. (Please use Functional Grade purified HK5.3, cat. 16-5985, in functional assays.)

Applications Tested

The HK5.3 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. 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)

14-4321 Rat IgG2a K Isotype Control Purified

17-4317 Streptavidin APC

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