full spectrum cell analysis®
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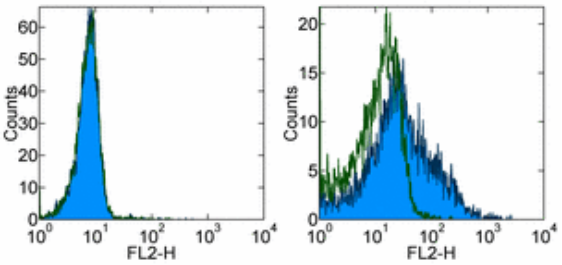
Anti-Mouse B7-H4 Purified

Catalog Number: 14-5970
Also Known As:B7H4, B7S1, B7-S1, B7X
RUO: For Research Use Only



Staining of non-transfected (left) and mouse B7-H4-GFP transfected (right) L5178Y cells with 0.25 µg of Rat IgG1 K Isotype Control Purified (cat. 14-4301) (open histogram) or 0.25 µg of Anti-Mouse B7-H4 Purified (filled histogram) followed by Anti-Rat IgG Biotin (cat. 13-4813) and Streptavidin PE (cat. 12-4317). Viable cells expressing GFP were used for analysis.

Product Information

Contents: Anti-Mouse B7-H4 Purified
REF Catalog Number: 14-5970
Clone: Clone 9
Concentration: 0.5 mg/ml
Host/Isotype: Rat IgG1

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 Clone 9 monoclonal antibody reacts with mouse B7S1, also known as B7H4. B7S1 is a newly discovered member of the B7 family. It is speculated that the costimulatory regulation of T cells by B7S1 is influenced by the activation status of B cells. The ligand for B7S1 has not been identified yet. This antibody is not blocking. Simultaneous double staining of cells with two anti-mouse B7-H4 antibodies, Clone 9 and 188, suggests that epitopes recognized by these mAbs are different and/or there is no steric hindrance when antibodies are used together.

Applications Reported

The Clone 9 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The Clone 9 antibody has been tested by flow cytometric analysis of transfected cells. This can be used at less than or equal to 0.5 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 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

Prasad DV, Richards S, Mai XM, Dong C. 2003. B7S1, a novel B7 family member that negatively regulates T cell activation. Immunity. 18(6):863-73.

Related Products

11-4317 Streptavidin FITC
11-4811 Anti-Rat IgG FITC
12-4317 Streptavidin PE
13-4813 Anti-Rat IgG Biotin (Polyclonal)
14-4301 Rat IgG1 K Isotype Control Purified
17-4317 Streptavidin APC

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