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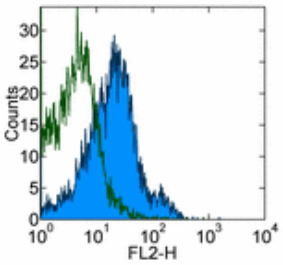
Anti-Mouse CD274 (B7-H1) Purified

Catalog Number: 14-9971
Also Known As:B7H1, PD-L1, PDL-1, PDL1
RUO: For Research Use Only



Staining of C57Bl/6 splenocytes with 0.25 µg Rat IgG2a K Isotype Control Purified (cat. 14-4321) (open histogram) or 0.25 µg Anti-Mouse CD274 (B7-H1) Purified (filled histogram) followed by Anti-Rat IgG Biotin (cat. 13-4813)and Streptavidin PE (cat. 12-4317). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD274 (B7-H1) Purified
REF Catalog Number: 14-9971
Clone: 1-111A
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.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The 1-111A monoclonal antibody reacts with mouse B7-H1, also known as PD-L1. B7-H1, a member of the B7 family, has a predicted molecular weight of approximately 40 kDa and belongs to the Ig superfamily. B7-H1 is expressed on a majority of leukocytes including T, B, NK and DC. B7-H1 is a ligand for PD-1. Interaction of PD-1 with either PD-L1 (B7-H1) or PD-L2 (B7-DC) results in inhibition of T and B cell responses. Preliminary testing suggests that 1-111A and MIH5 (Cat. No. 14-5982) cross-block each other.

Applications Reported

The 1-111A antibody has been reported for use in flow cytometric analysis.

Applications Tested

The 1-111A antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. 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

Ishida M, Iwai Y, Tanaka Y, Okazaki T, Freeman GJ, Minato N, Honjo T. 2002. Differential expression of PD-L1 and PD-L2, ligands for an inhibitory receptor PD-1, in the cells of lymphohematopoietic tissues. Immunol Lett. 84(1):57-62. Carter L, Fouser LA, Jussif J, Fitz L, Deng B, Wood CR, Collins M, Honjo T, Freeman GJ, Carreno BM. 2002. PD-1:PD-L inhibitory pathway affects both CD4(+) and CD8(+) T cells and is overcome by IL-2. Eur J Immunol. 32(3):634-43.

Related Products

11-4317 Streptavidin FITC
11-4811 Anti-Rat IgG FITC
12-4317 Streptavidin PE
12-5982 Anti-Mouse CD274 (B7-H1) PE (MIH5)
13-4813 Anti-Rat IgG Biotin (Polyclonal)
13-5982 Anti-Mouse CD274 (B7-H1) Biotin (MIH5)
14-4321 Rat IgG2a K Isotype Control Purified
14-5982 Anti-Mouse CD274 (B7-H1) Purified (MIH5)
16-5982 Anti-Mouse CD274 (B7-H1) Functional Grade Purified (MIH5)
17-4317 Streptavidin APC

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