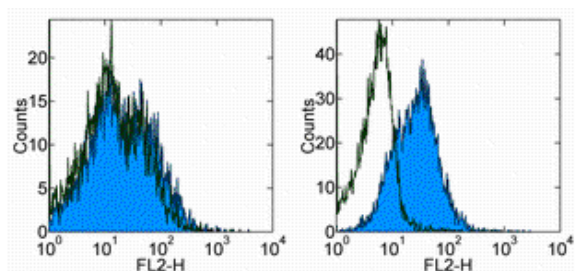


Anti-Mouse CD279 (PD-1) Purified

Catalog Number: 14-9981

Also Known As: Pcdcl1, Programmed cell death protein 1

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of 3-day unstimulated (left) and 3-day ConA activated (right) BALB/c splenocytes with 0.25 μ g of Purified Rat IgG2b Isotype Control (cat. 14-4031) (open histogram) or 0.25 μ g of Anti-Mouse CD279 (PD-1) 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 CD279 (PD-1) Purified

REF **Catalog Number:** 14-9981

Clone: RMP1-30

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2b, kappa

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



Contains sodium azide

Description

The RMP1-30 antibody reacts with mouse PD-1 (programmed death-1), a 55 kDa member of the Ig superfamily. PD-1 contains the immunoreceptor tyrosine-based inhibitory motif (ITIM) and plays a key role in peripheral tolerance and autoimmune disease in mice. PD-1 is expressed mainly on activated T and B lymphocytes. Two novel B7 Family members have been identified as PD-1 ligands, PD-L1 (B7-H1) and PD-L2 (B7-DC). Evidence reported to date suggests overlapping functions for these ligands and their constitutive expression on some normal tissues and upregulation on activated antigen-presenting cells. RMP1-30 does not block the binding of either B7-H1-Ig or B7-DC-Ig to PD-1 transfectants.

Applications Reported

The RMP1-30 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The RMP1-30 antibody has been tested by flow cytometric analysis of mouse ConA-activated spleen cell 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

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Agata Y, Kawasaki A, Nishimura H, Ishida Y, Tsubata T, Yagita H, Honjo T. Expression of the PD-1 antigen on the surface of stimulated mouse T and B lymphocytes. *Int Immunol.* 1996 May;8(5):765-72.

Related Products

11-4811 Anti-Rat IgG FITC

13-4813 Anti-Rat IgG Biotin (Polyclonal)
14-4031 Rat IgG2b K Isotype Control Purified

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