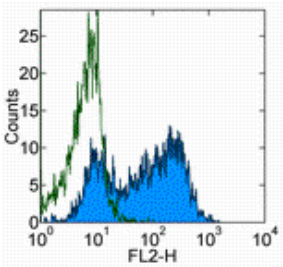
full spectrum cell analysis®
eBioscience®

Anti-Human CD279 (PD-1) Purified

Catalog Number: 14-2799
RUO: For Research Use Only



Staining of 3-day PHA-stimulated normal human peripheral blood cells with 0.5 ug of Mouse IgG1 K Isotype Control Purified (cat. 14-4714) (open histogram) or 0.5 ug of Anti-Human CD279 (PD-1) Purified (filled histogram) followed by F(ab')2 Anti-Mouse IgG PE (cat. 12-4012). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD279 (PD-1) Purified
REF **Catalog Number:** 14-2799
Clone: eBioJ105 (J105)
Concentration: 0.5 mg/mL
Host/Isotype: Mouse IgG1, kappa

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 J105 monoclonal antibody reacts with the human PD-1 (programmed death-1), a 55 kDa member of the CD28 immunoglobulin superfamily. PD-1 contains the immunoreceptor tyrosine-based inhibitory motif (ITIM) and plays a key role in peripheral tolerance and autoimmune disease. PD-1 is expressed predominantly on activated T and B lymphocytes. Two novel members of the B7 family have been identified as the PD-1 ligands, PD-L1 (B7-H1) and PD-L2 (B7-DC). Evidence reported to date suggests overlapping functions for these two PD-1 ligands and their constitutive expression on some normal tissues and upregulation on activated antigen-presenting cells. Costaining experiments suggest that eBioJ105 recognizes a different epitope than MIH4 (cat. 11-9969).

Applications Reported

This eBioJ105 (J105) antibody has been reported for use in flow cytometric analysis, immunoprecipitation, and immunohistology staining of frozen tissue sections.

Applications Tested

This eBioJ105 (J105) antibody has been tested by flow cytometic analysis of PHA stimulated PBMC. This can be used at less than or equal to 1.0 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

Iwai Y, Okazaki T, Nishimura H, Kawasaki A, Yagita H, Honjo T. Microanatomical localization of PD-1 in human tonsils. Immunol Lett. 2002 Oct 1;83(3):215-20. PubMed

Related Products

11-4011 Anti-Mouse IgG FITC
14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.1)

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