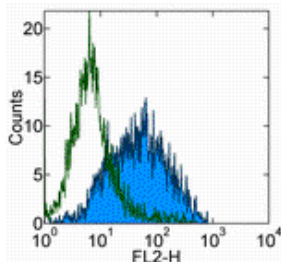


## Anti-Human CD279 (PD-1) Purified

Catalog Number: 14-9969

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



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 Anti-Mouse IgG Biotin (cat. 13-4013) and Streptavidin PE (cat. 12-4317). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Human CD279 (PD-1) Purified

**REF** **Catalog Number:** 14-9969

**Clone:** MIH4

**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.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial



**Contains sodium azide**

### Description

The MIH4 monoclonal antibody reacts with the human PD-1 (programmed death-1), a 55 kDa member of the 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. The MIH4 antibody recognizes a different epitope than antibody clones J105.

### Applications Reported

This MIH4 antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections.

### Applications Tested

This MIH4 antibody has been tested by flow cytometric analysis of PHA-stimulated peripheral blood mononuclear cells. This can be used at less than or equal to 1 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<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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#### **Related Products**

11-4011 Anti-Mouse IgG FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

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