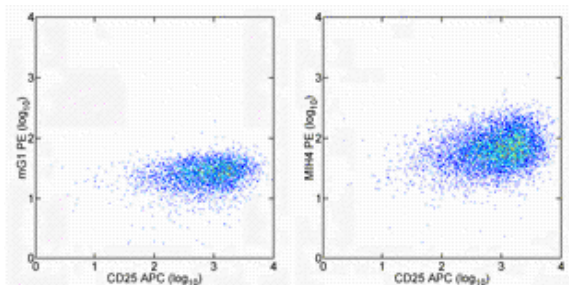


## Anti-Human CD279 (PD-1) PE

**Catalog Number:** 12-9969

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



Staining of 3-day PHA-stimulated human peripheral blood cells with Anti-Human CD25 APC (cat. 17-0259) and Mouse IgG1 K Isotype Control PE (cat. 12-4714) (left) or Anti-Human CD279 (PD-1) PE (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

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

**REF** **Catalog Number:** 12-9969

**Clone:** MIH4

**Concentration:** 5  $\mu$ L (0.5  $\mu$ g)/test

**Host/Isotype:** Mouse IgG1, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** **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.

### Applications Tested

This MIH4 antibody has been pre-titrated and tested by flow cytometric analysis of PHA-stimulated normal human peripheral blood mononuclear cells. This can be used at 5  $\mu$ L (0.5  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

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#### **Related Products**

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)

17-0259 Anti-Human CD25 APC (BC96)

46-2799 Anti-Human CD279 (PD-1) PerCP-eFluor® 710 (eBioJ105 (J105))

46-9880 Anti-Human Bcl-6 PerCP-eFluor® 710 (BCL-UP)

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