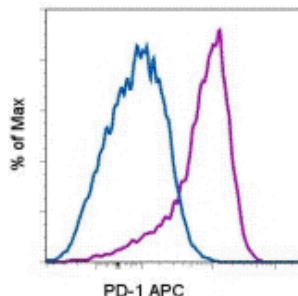


## Anti-Human CD279 (PD-1) APC

Catalog Number: 17-2799

RUO: For Research Use Only



Staining of unstimulated (blue histogram) or 3-day PHA-stimulated (purple histogram) normal human peripheral blood cells with Anti-Human CD279 (PD-1) APC. Cells in the lymphocyte gate were used for analysis.

### Product Information

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

**REF** **Catalog Number:** 17-2799

**Clone:** eBioJ105 (J105)

**Concentration:** 5 uL (1 ug)/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.



**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.

### Applications Tested

This eBioJ105 (J105) antibody has been pre-titrated and tested by flow cytometric analysis of stimulated PBMCs. This can be used at 5 µl (1 µg)/per test. A test is defined as the amount (µg)/test 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.

### 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

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.1)

17-9969 Anti-Human CD279 (PD-1) APC (MIH4)

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