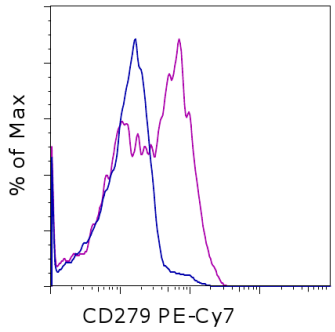
Anti-Human CD279 (PD-1) PE-Cyanine7

Catalog Number: 25-2799
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of 3-day PHA-stimulated normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE-Cyanine7 (cat. 25-4714) (blue histogram) or Anti-Human CD279 (PD-1) PE-Cyanine7 (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD279 (PD-1) PE-Cyanine7
REF **Catalog Number:** 25-2799
Clone: eBioJ105 (J105)
Concentration: 5 uL (0.5 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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial
Contains sodium 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 normal human peripheral blood cells. This can be used at 5 µL (0.5 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.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

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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

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

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