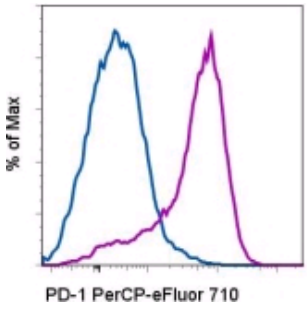
full spectrum cell analysis®
eBioscience®

Anti-Human CD279 (PD-1) PerCP-eFluor® 710

Catalog Number: 46-2799
Also Known As:PD1
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) PerCP-eFluor® 710. Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD279 (PD-1) PerCP-eFluor® 710
REF Catalog Number: 46-2799
Clone: eBioJ105 (J105)
Concentration: 5 µl (0.25 µg)/test A test is defined as the amount that will stain 1 x 10^6 target cells in a volume of 100 µl.
Host/Isotype: Mouse IgG1, κ
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
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 activated human peripheral blood cells. This can be used at 5 µl (0.25 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 10^5 to 10^8 cells/test.

PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click here or contact eBioscience Technical Support for more information on eFluor® Organic Dyes including PerCP-eFluor® 710.

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

46-4714 Mouse IgG1 K Isotype Control PerCP-eFluor® 710

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