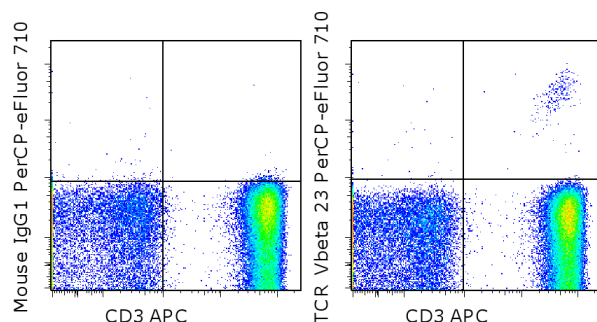


Anti-Human V beta 23 TCR PerCP-eFluor® 710

Catalog Number: 46-5793

Also known as: Vbeta 23, Vbeta23, Vb23

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



Staining of normal human peripheral blood cells with Anti-Human CD3 APC (cat. 17-0037) and Mouse IgG1 kappa Isotype Control PerCP-eFluor® 710 (cat. 46-4714) (left) or Anti-Human V beta 23 TCR PerCP-eFluor® 710 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human V beta 23 TCR
PerCP-eFluor® 710

Catalog Number: 46-5793

Clone: AF23

Concentration: 5 µL (0.5 µg)/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

Description

This AF23 monoclonal antibody recognizes the human T cell receptor (TCR) Vβ 23 allele. Composed of an α and β chain, TCR specificity is typically determined by Vα, Jα, Vβ, Dβ, and Jβ gene rearrangement. Vβ expression in humans has been examined in studies on the effects of superantigens, inflammation, autoimmune disease, and HIV infection. More recently, assessment of TCR Vβ expression has been used to phenotype T cell clonality in CD3+/TCRαβ+ large granular lymphocyte leukemias. A member of the Ig superfamily, this receptor is expressed on a subset of peripheral blood T cells.

Applications Reported

This AF23 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This AF23 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood lymphocytes. 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 10⁵ to 10⁸ 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

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Related Products

17-0037 Anti-Human CD3 APC (OKT3)

46-4714 Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (P3.6.2.8.1)