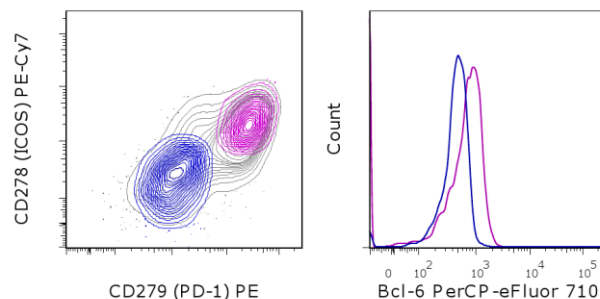


Anti-Human Bcl-6 PerCP-eFluor® 710

Catalog Number: 46-9880

Also known as: B-cell lymphoma 6

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



Surface staining of human tonsil cells with the Anti-Human CD4 eFluor® 450, CD19 APC-eFluor® 780, CD279 (PD-1) PE, CD278 (ICOS) PE-Cy7, and CD45RO FITC antibodies followed by intracellular staining with Anti-Human Bcl-6 PerCP-eFluor® 710 antibody using the Foxp3 Fixation/Permeabilization Buffers (cat. 00-5521) and protocol. The histogram (right) demonstrates Bcl-6 staining of CD4+CD45RO+CD278highCD279high (purple histogram) and CD4+CD45RO+CD278lowCD279low (blue histogram) cells. Cell populations were gated as indicated on the contour plot (left). Data courtesy of Danelle Eto (Laboratory of Shane Crotty).

Product Information

Contents: Anti-Human Bcl-6 PerCP-eFluor® 710



Catalog Number: 46-9880

Clone: BCL-UP

Concentration: 5 µL (0.03 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

The monoclonal antibody BCL-UP recognizes Bcl-6, also known as B-cell lymphoma 6, which is a member of the POZ family of transcriptional repressors. Bcl-6 is expressed most abundantly in germinal center B cells, as well as in differentiating and activated B cells. This 79 kDa protein is essential for germinal center B cell proliferation and survival. During B cell development, Bcl-6 plays an important role in promoting pre-B cell survival to enable the generation of a diverse B cell repertoire. Moreover, Bcl-6 is expressed constitutively in diffuse large B cell lymphomas (DLBCLs), Burkitt's lymphoma, and non-Hodgkin's lymphoma. Reports also suggest expression of Bcl-6 in CD4+ T follicular helper cells and memory T cells. Bcl-6 has been reported to be antagonized by Blimp-1.

Applications Reported

This BCL-UP antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This BCL-UP antibody has been pre-titrated and tested by intracellular flow cytometric analysis of human tonsil cells using the Foxp3 Fixation/Permeabilization Buffers (cat. 00-5521) and protocol. Please see Best Protocols Section (Staining Intracellular Antigens for Flow Cytometry) for staining protocol (refer to Protocol B: One-step protocol for intracellular (nuclear) proteins). This can be used at 5 µL (0.03 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.

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

References

Bentebibel SE, Schmitt N, Banchereau J, Ueno H. Human tonsil B-cell lymphoma 6 (BCL6)-expressing CD4+ T-cell subset specialized for B-cell help outside germinal centers. *Proc Natl Acad Sci U S A*. 2011 Aug 16;108(33):E488-97.

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Related Products

00-5521 Foxp3 Fixation/Permeabilization Concentrate and Diluent

11-0457 Anti-Human CD45RO FITC (UCHL1)

12-2799 Anti-Human CD279 (PD-1) PE (eBioJ105 (J105))

25-9948 Anti-Human CD278 (ICOS) PE-Cy7 (ISA-3)

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

48-0048 Anti-Human CD4 eFluor® 450 (OKT4 (OKT-4))

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