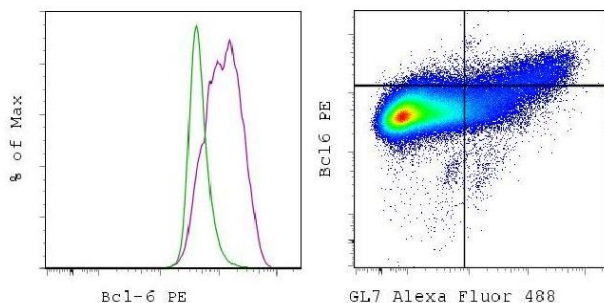


Anti-Mouse Bcl-6 PE

Catalog Number: 12-5760

Also known as: B cell lymphoma 6

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



Surface staining of infected mouse splenocytes with antibodies to CD11c, F4/80, Gr-1, CD4 and CD8 in addition to CD45R (B220) and Anti-Mouse CD38 or Anti-Human/Mouse GL7 followed by intracellular staining using the Foxp3 Buffer Set (cat. 00-5523) and protocol. Cell expressing CD11c, F4/80, Gr-1, CD4 and CD8 were excluded. Left: Staining of Bcl-6 PE in the GC B cells using Anti-Human/Mouse GL7 Alexa Fluor 488 (purple histogram) and total B cells using Anti-Mouse CD38 APC (green histogram). Right: Gating total B220+ cells displaying Anti-Human/Mouse GL7 Alexa Fluor 488 and Anti-Mouse Bcl-6 PE. Data courtesy of M. Jenkins' lab.

Product Information



Contents: Anti-Mouse Bcl-6 PE

Catalog Number: 12-5760

Clone: mG1191E

Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG1



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 mG1191E monoclonal antibody reacts with mouse Bcl-6, which is also known as B-cell lymphoma 6. 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. Moreover, 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 mG1191E antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This mG1191E antibody has been tested by intracellular flow cytometric analysis of mouse germinal center B cells. This can be used at less than or equal to 0.06 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Duy C, Yu JJ, Nahar R, Swaminathan S, Kweon SM, Polo JM, Valls E, Klemm L, Shojaee S, Cerchiatti L, Schuh W, Jäck HM, Hurtz C, Ramezani-Rad P, Herzog S, Jumaa H, Koeffler HP, de Alborán IM, Melnick AM, Ye BH, Müschen M. BCL6 is critical for the development of a diverse primary B cell repertoire. *J Exp Med.* 2010 Jun 7;207(6):1209-21.

Johnston RJ, Poholek AC, DiToro D, Yusuf I, Eto D, Barnett B, Dent AL, Craft J, Crotty S. Bcl6 and Blimp-1 are reciprocal and antagonistic regulators of T follicular helper cell differentiation. *Science.* 2009 Aug 21;325(5943):1006-10.

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García JF, García JF, Maestre L, Lucas E, Sánchez-Verde L, Romero-Chala S, Piris MA, Roncador G. Genetic immunization: a new monoclonal antibody for the detection of BCL-6 protein in paraffin sections. J Histochem Cytochem. 2006 Jan;54(1):31-8.

Related Products

00-5521 Foxp3 Fixation/Permeabilization Concentrate and Diluent

00-5523 Foxp3 / Transcription Factor Staining Buffer Set

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)

17-0381 Anti-Mouse CD38 APC (90)

53-5902 Anti-Human/Mouse GL7 (T and B Cell Activation Marker) Alexa Fluor® 488 (GL-7 (GL7))

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