SONY

Product Data Sheet

PE/Cyanine7 anti-human/mouse Bcl-6

Catalog # / Size: 2392555 / 25 tests
2392560 / 100 tests

Clone: 7D1

Isotype: Rat IgG2a, κ

Immunogen: Sequence 226-398 of murine BCL6 fused with GST

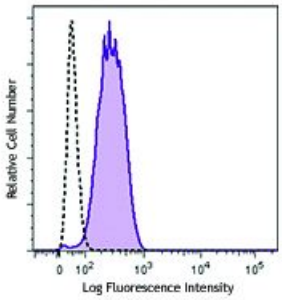
Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: V S075

Concentration: Lot-specific

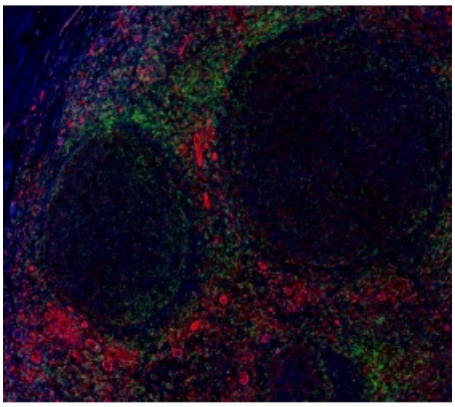


Burkittâ€™s lymphoma cell line, Ramos, was treated with the True-Nuclear™ Transcription Factor Buffer Set, and stained with Bcl-6 (clone 7D1) PE/Cy7 (filled histogram) or rat IgG2a, κ PE/Cy7 isotype control (open histogram).

Applications:

Applications: Intracellular Staining for Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by intracellular flow cytometry . For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Application Notes: Additional reported applications (for the relevant formats) include: Western blotting[1,2,3].

NOTE: For flow cytometric staining with this clone, True-Nuclear™ Transcription Factor Buffer Set offers improved staining and is highly recommended.

Application References:

1. Vikstrom, *et al.* 2010. *Science* 330:1095. (WB)
2. Kallies A, *et al.* 2011. *Blood* 117:1869. (WB)
3. Lüthje K, *et al.* 2012. *Nat. Immunol.* 13:491. (WB)
4. Tonti E, *et al.* 2012. *J. Immunol.* 188:3217. (ICFC)

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Description: B-cell lymphoma 6 (Bcl-6), is an 80 kD homodimer, member of the BTB-POZ zinc finger family. It contains 1 BTB (POZ) domain and 6 C2H2-type zinc fingers. Bcl-6 is a transcriptional repressor, master regulator of germinal center reaction. On B cells, Bcl-6 induces proliferation, antibody class switch and affinity maturation, while inhibits its differentiation to plasma cells. On T cells, Bcl-6 induces its differentiation to T_{FH}. This molecule is also expressed in some B cell lymphomas and breast cancer cells.

Antigen References:

1. Basso K and Dalla-Favera R. 2012. *Immunol. Rev.* 247:172.
2. Vinuesa CG, and Cyster JG, 2011. *Immunity* 35:671.
3. Kitano M, *et al.* 2011. *Immunity* 34:961.
4. Baumjohann D, *et al.* 2011. *J. Immunol.* 187:2089.
5. Johnston RJ, *et al.* 2009. *Science.* 325:1006.
6. Tran TH, *et al.* 2010. *Cancer Res.* 70:1711.

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