

PerCP/Cy5.5 anti-human/mouse Bcl-6

Catalog # / Size: 2392540 / 100 tests
2392535 / 25 tests

Clone: 7D1

Isotype: Rat IgG2a, κ

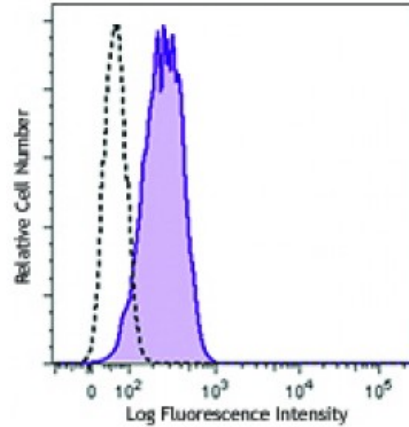
Immunogen: Sequence 226-398 of murine BLC6 fused with GST

Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Burkitt's lymphoma cell line, Ramos, was stained with the True-Nuclear™ Transcription Factor Buffer Set, and stained with Bcl-6 (clone 7D1) PerCP/Cy5.5 (filled histogram) or rat IgG2a, κ PerCP/Cy5.5 isotype control (open histogram).

Applications:

Applications: 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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

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 (Cat. No. [424401](#)) 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)

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. Ba