

**PE/Cy7 anti-human/mouse Bcl-6**

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

**Clone:** 7D1

**Isotype:** Rat IgG2a, κ

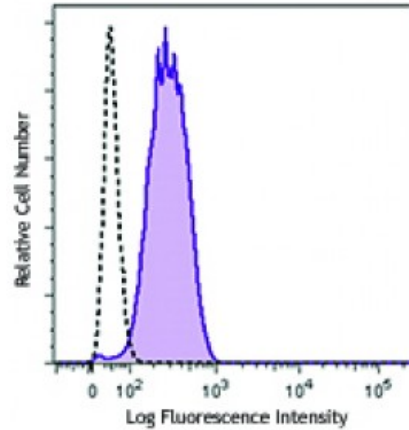
**Immunogen:** Sequence 226-398 of murine BLC6 fused with GST

**Reactivity:** Human, Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 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 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:** 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.

**Application Notes:** Additional reported applications (for the relevant formats) include: Western blotting<sup>1,2,3</sup>.

**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<sub>FH</sub>. 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

