AbFlex® Bcl6 antibody (rAb)

Catalog Nos: 91287, 91288
RRID: AB_2793833
Isotype: IgG2a
Application(s): WB
Reactivity: Human

Quantities: 100 µg, 10 µg
Purification: Protein A Chromatography
Host: Mouse
Concentration: 1 µg/µl
Molecular Weight: 80 kDa

Background: AbFlex® antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6XHis tag, an avidin tag sequence for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. AbFlex Bcl6 antibody was expressed as full-length IgG with mouse immunoglobulin heavy and light chains (IgG2a isotype) in mammalian 293 cells.

Bcl6 (B-cell lymphoma 6 protein, Bcl5, LAZ3, ZBTB27, ZNF51) is sequence-specific transcriptional repressor that is required for the formation of lymph node germinal centers (GC). Bcl6 is a member of the BTB-POZ family of transcriptional regulators and contains six Kruppel-type zinc fingers. The POZ domain in the amino terminus of Bcl6 is involved in the recruitment of corepressor proteins including NCoR, BCoR, SMRT, Mi-2/NURD and several HDACs. Bcl6 promotes proliferative expansion of B-cells in the germinal center through repression of genes regulating cell cycle and differentiation. Bcl6 also suppresses the DNA damage response, to prevent class-switch recombination being repaired. Unregulated expression of Bcl6 is involved in the development of many B-cell lymphomas.

Immunogen: This antibody was raised against full length human Bcl6 (B-cell lymphoma 6 protein) by genetic immunization. (Garcia et. al., 2006. Genetic Immunization: A New Monoclonal Antibody for the Detection of BCL-6 Protein in Paraffin Sections. J. Histochemistry & Cytochemistry, vol. 54(1): 31-38).

Buffer: 140 mM Hepes, pH 7.5, 70 mM NaCl, 32mM NaOAc, 0.035% sodium azide, and 30% glycerol.

Application Notes:
Validated Applications:
WB: 0.5 – 2 µg/ml

Storage and Guarantee: Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage. This product is guaranteed for 12 months from date of receipt.

This product is for research use only and is not for use in diagnostic procedures.