**BACKGROUND**

Bcl-11a (Ctip1, ETV6, B cell chronic lymphocytic leukemia (CLL)/lymphoma 11A) and Bcl-11b (Ctip-2, RIT1, B cell CLL/lymphoma 11B) genes play crucial roles in lymphopoesis and influence the progression of hematopoietic malignancies. Disruption of the Bcl-11b locus is linked to T cell acute lymphoblastic leukemia, and the loss of heterozygosity in mice results in T cell lymphoma. Bcl-11 proteins are related C_{2}H_{2} zinc-finger transcription factors that act as transcriptional repressors. Bcl-11b can interact with the metastasis-associated proteins MTA1 and MTA2 through the amino-terminal region. Bcl-11a is essential for postnatal development and normal lymphopoesis. The Bcl-11a mouse gene is a common site of retroviral integration in myeloid leukemia, and may function as a leukemia disease gene, in part, through its interaction with Bcl-6.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: BCL11A (human) mapping to 2p16.1; Bcl11a (mouse) mapping to 11 A3.2.

**SOURCE**

Bcl-11a (H-1) is a mouse monoclonal antibody raised against amino acids 505-620 mapping within an internal region of Bcl-11a of human origin.

**PRODUCT**

Each vial contains 200 µg IgG_{2a} kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Bcl-11a (H-1) is available conjugated to agarose (sc-514842 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-514842 HRP), 200 µg/ml, for WB, HICIP and ELISA; to either phycoerythrin (sc-514842 PE), fluorescein (sc-514842 FITC), Alexa Fluor® 488 (sc-514842 AF488), Alexa Fluor® 546 (sc-514842 AF546), Alexa Fluor® 594 (sc-514842 AF594) or Alexa Fluor® 647 (sc-514842 AF647), 200 µg/ml, for WB (RGB), IF, HICIP and FCM; and to either Alexa Fluor® 680 (sc-514842 AF680) or Alexa Fluor® 790 (sc-514842 AF790), 200 µg/ml, for Near-Infrared (NiR) WB, IF and FCM.

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**APPLICATIONS**

Bcl-11a (H-1) is recommended for detection of Bcl-11a of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Bcl-11a siRNA (h): sc-43578, Bcl-11a siRNA (m): sc-44935, Bcl-11a shRNA Plasmid (h): sc-43578-5H, Bcl-11a shRNA Plasmid (m): sc-44935-SH, Bcl-11a shRNA (h) Lentiviral Particles: sc-43578-V and Bcl-11a shRNA (m) Lentiviral Particles: sc-44935-V.

Molecular Weight of Bcl-11a isoforms XL/L/S/XS: 125/100/35/25 kDa.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgG BP-HRP: sc-514842 HRP. Direct western blot reagent used: m-IgG_{2a} BP-GRF: sc-54746.
2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).
3) Immunofluorescence: use m-IgG BP-FITC: sc-516210 or m-IgG BP-PE: sc-516211 (dilution range 1:50-1:200) with UltraCruz® Blocking Reagent: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

**DATA**

**SELECT PRODUCT CITATIONS**


**STORAGE**

Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.