

# IMu-HA-BCL6 Mouse

**Catalogue number:** 154095

**Sub-type:** Mouse

**Images:**

## Contributor

**Inventor:** Riccardo Dalla-Favera

**Institute:** The Trustees of Columbia University in the City of New York

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** IMu-HA-BCL6 Mouse

**Alternate name:** Zinc Finger Protein 51, B Cell CLL/Lymphoma 6, Protein LAZ-3

**Class:**

**Conjugate:**

**Description:** Diffuse Large B-Cell Lymphoma (DLBCL) is a B-Cell non-Hodgkins Lymphoma, the fifth most common cancer in the western world. DLBCL is a poorly understood and aggressive disease with ongoing research for the development of effective therapies. This mouse model mimics a chromosomal translocation found in approximately 50% of human DLBCL cases.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:** Knock-In

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** The Î²HABCL6 targeting vector was constructed by subcloning a HA-tagged murine BCL6 cassette into the pPNT vector, downstream of the IgH Î² promoter (1.1Kb PCR fragment) and 5' to a loxP-flanked stop cassette containing a neomycin-resistance gene (neoR). A

10 Kb EcoRI fragment including the four C $\beta$  exons was then isolated from pEco1.1C $\beta$  vector and subcloned downstream to the neoR cassette. The targeting vector was electroporated in the ES cell line 129/Sv, and Neo-resistant, homologous recombinant clones were identified. After Cre mediated excision of the neoR cassette in vitro by transient transfection of a Cre-expressing plasmid, homologous recombinant ES cell clones were injected into blastocysts from C57BL/6 mice. Chimeric mice obtained from ES clones transmitted the knockin allele through the germline and were all backcrossed onto a C57BL/6 background (10 generations)

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:** Knockin mouse expressing BCL6 constitutively in B cells under control of the immunoglobulin I $\alpha$  promoter

## Target details

**Target:** BCL6

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Embryo/Spermatozoa- Dry Ice

## Related tools

**Related tools:**

## References

**References:** Klein et al. 2010. Cancer Cell. 17(1):28-40. PMID: 20060366. ; The DLEU2/miR-15a/16-1 cluster controls B cell proliferation and its deletion leads to chronic lymphocytic leukemia.

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