

MEF2BD83V Mouse

Catalogue number: 154096

Sub-type: Mouse

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: MEF2BD83V Mouse

Alternate name: Myocyte Enhancer Factor 2B, Serum Response Factor-Like Protein 2, RSRFR2, XMEF2

Class:

Conjugate:

Description: Diffuse large B-Cell Lymphoma (DLBCL) and Follicular Lymphoma (FL) are the two most common forms of mature B cell lymphoid neoplasms, accounting for over 50% of all diagnoses. Mutant MEF2B (MEF2BD83V) is the most common lymphoma associated oncogene. MEF2BD83V expression in mice leads to GC enlargement and lymphoma development, a phenotype that becomes fully penetrant in combination with BCL2 de-regulation, an event associated with human MEF2B mutations. Expression of the mutant MEF2BD38V allele was induced in germinal centre- derived B cells by crossing with C1-Cre mice.

Purpose:

Parental cell:

Organism:

Tissue:

Model: Knock-In

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details: The conditional Mef2bstopD83V allele was generated by introducing a single

nucleotide change by site directed mutagenesis leading to the D83V amino-acid change in exon 3. The neomycin-resistance marker followed by a triple-polyA, flanked by two loxP sites was introduced upstream the exon 3 carrying the D83V mutation. Correctly targeted mouse ES cells were injected into blastocysts derived from C57BL/6 mice to generate chimeras.

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: MEF2B

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: Cattoretti et al. 2005. Cancer Cell. 7(5):445-55. PMID: 15894265. ; Deregulated BCL6 expression recapitulates the pathogenesis of human diffuse large B cell lymphomas in mice.

CancerTools.org