# Targeting MDSCs in CLL-bearing mice by suppressing the synthesis of secretory IgM via activation of RIDD

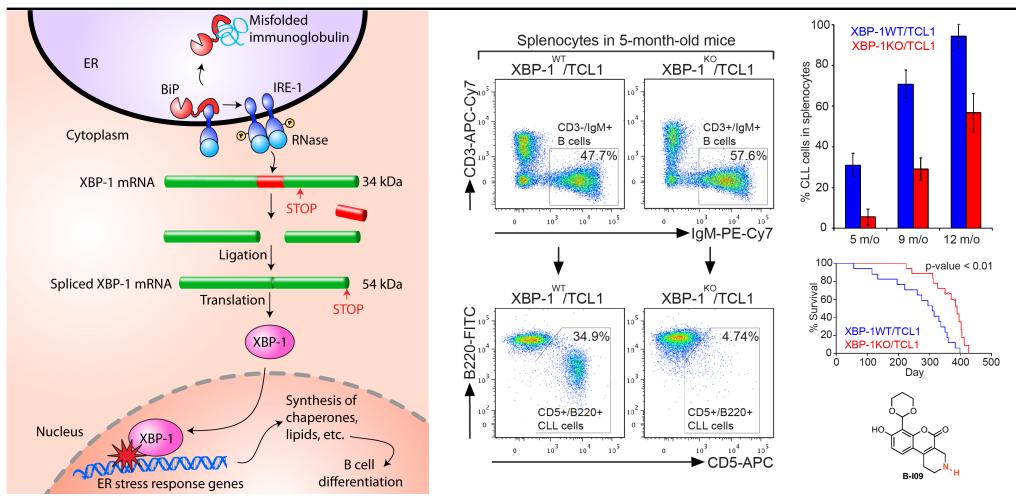
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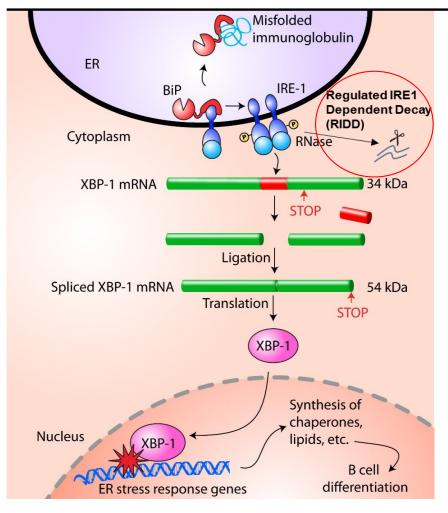
I have nothing to disclose.

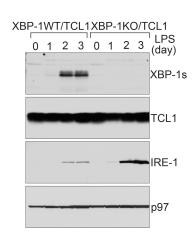
For more information and discussion, please visit us at Poster # 1987 or e-mail us at <a href="mailto:chu@wistar.org">chu@wistar.org</a>

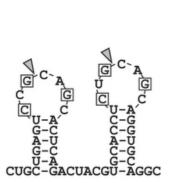
## The IRE-1/XBP-1 pathway of the ER stress response supports the growth and survival of CLL

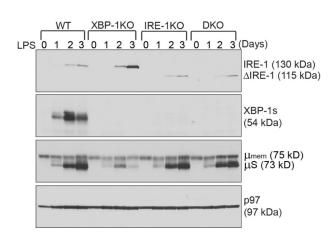


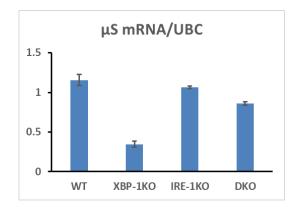
### XBP-1 deficiency triggers hyperactivated IRE-1, which can cleave the mRNAs of secretory $lg \mu$ heavy chains (RIDD)



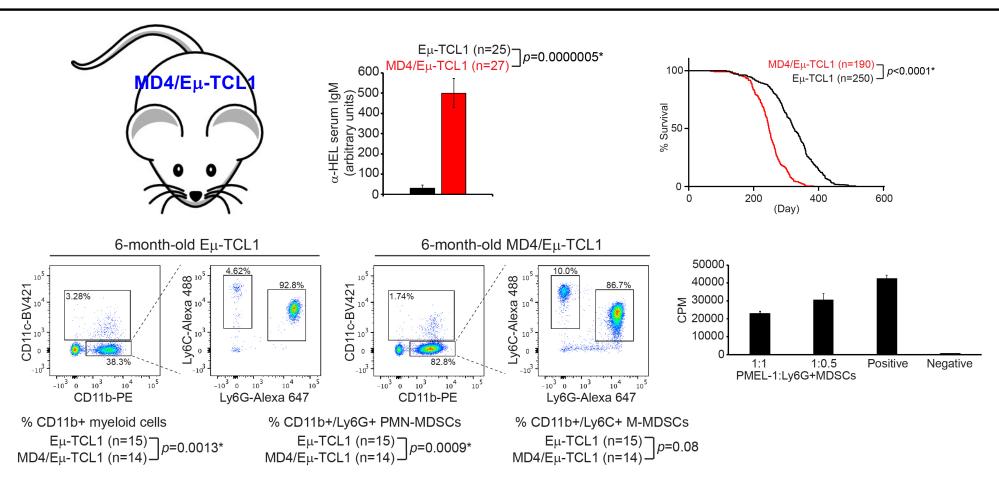




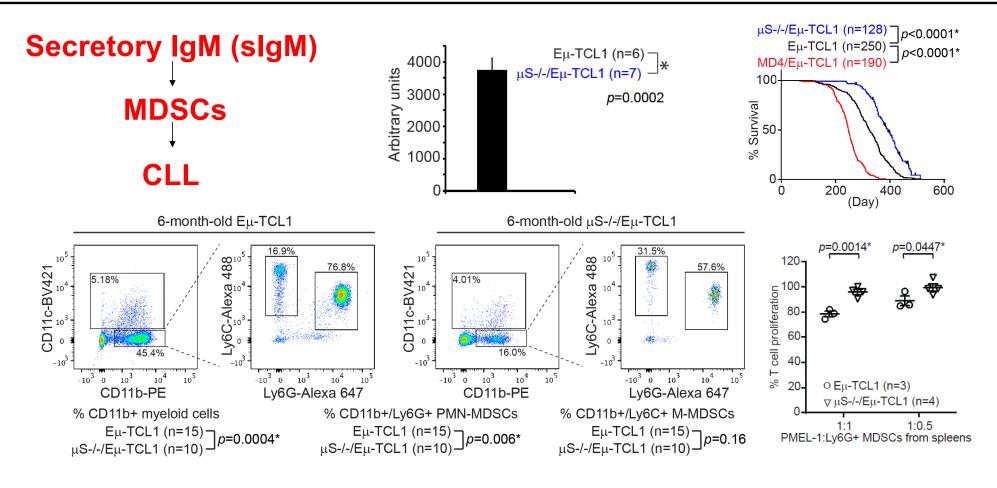




#### MD4/Eµ-TCL1 mice produce higher levels of slgM and increased numbers of MDSCs, and exhibit shorter survival



### Deleting the capability of Eµ-TCL1 mice in producing slgM leads to decreased MDSCs and prolonged survival



#### Targeting XBP-1s in B and CLL cells leads to reduced slgM and decreased numbers and functions of MDSCs

