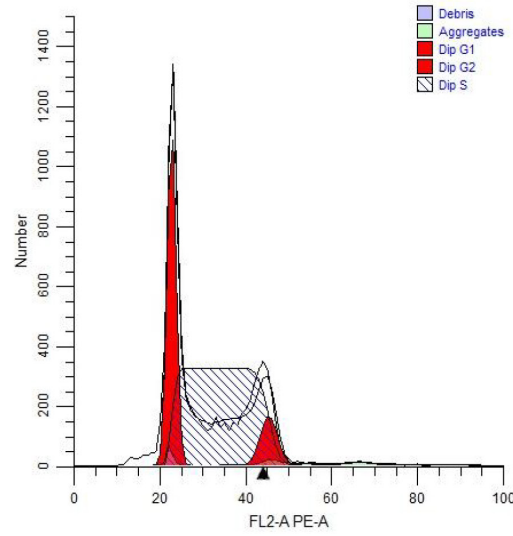


shN



File analyzed: JEKO-1-SHN-1.fcs
 Date analyzed: 6-May-2020
 Model: 1DA0n_DSD
 Analysis type: Manual analysis
 Auto Linearity: No

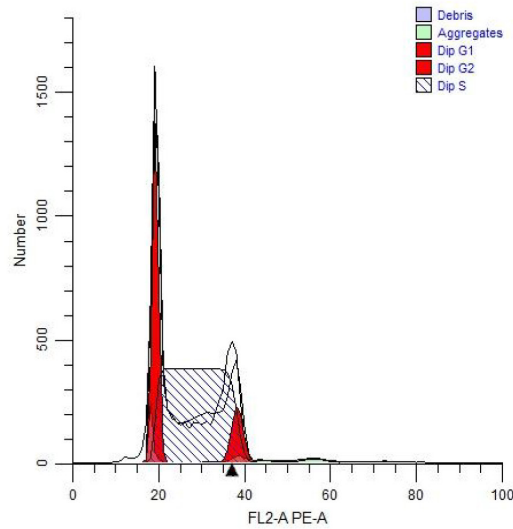
Ploidy Mode: First cycle is diploid

Diploid: 100.00 %
 Dip G1: 26.54 % at 22.66
 Dip G2: 7.39 % at 45.32
 Dip S: 66.08 % G2/G1: 2.00
 %CV: 4.37

Total S-Phase: 66.08 %
 Total B.A.D.: 2.06 %

Debris: 0.00 %
 Aggregates: 2.89 %
 Modeled events: 11484
 All cycle events: 11152
 Cycle events per channel: 471
 RCS: 2.719

shR



File analyzed: JEKO-1-SHR-1.fcs
 Date analyzed: 6-May-2020
 Model: 1DA0n_DSD
 Analysis type: Manual analysis
 Auto Linearity: No

Ploidy Mode: First cycle is diploid

Diploid: 100.00 %
 Dip G1: 24.09 % at 19.13
 Dip G2: 7.30 % at 38.26
 Dip S: 68.61 % G2/G1: 2.00
 %CV: 3.37

Total S-Phase: 68.61 %
 Total B.A.D.: 1.55 %

Debris: 0.00 %
 Aggregates: 3.28 %
 Modeled events: 10862
 All cycle events: 10506
 Cycle events per channel: 522
 RCS: 3.998

Figure S1 The effect of REG γ on the mantle cell lymphoma cell cycle. The percentage of shN and shR JEKO-1 cells at each phase of the cell cycle was evaluated by flow cytometry. REG γ , the proteasome activator REG γ (also known as PSME3, PA28 γ , and Ki antigen); shR, REG γ -knockdown; shN, control.

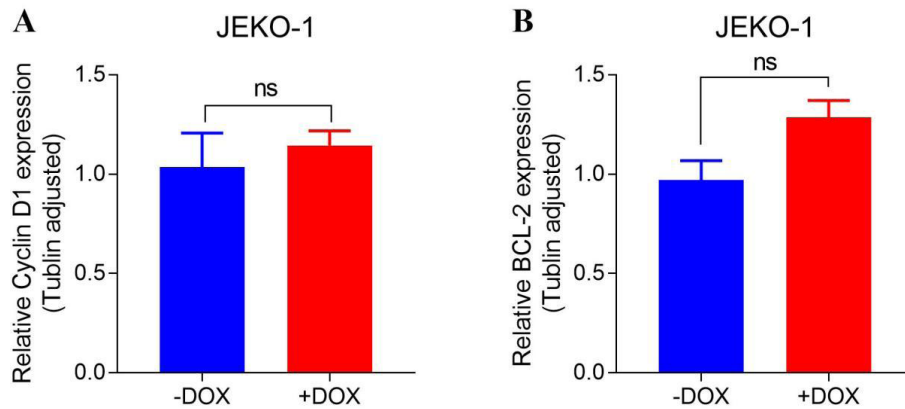


Figure S2 The effect of REG γ on expression of BCL-2 and CyclinD1 proteins. (A,B) REG γ had no effect on cyclin D1 and BCL2 expression. REG γ , the proteasome activator REG γ (also known as PSME3, PA28 γ , and Ki antigen); BCL2, B-cell lymphoma-2.

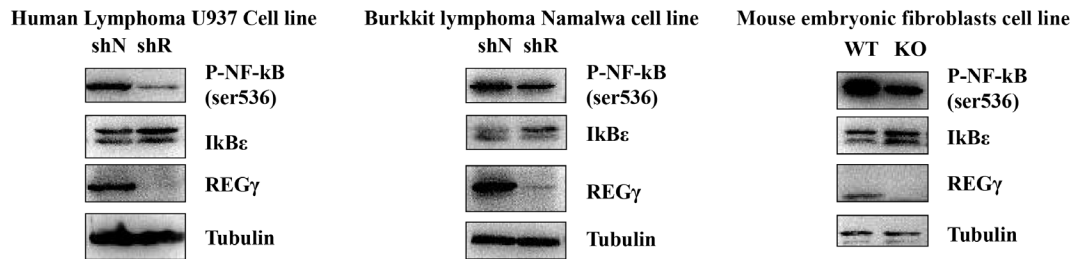


Figure S3 The regulation of REG γ on NF- κ B and I κ B in different cells. The expression of P-NF- κ B (ser536), I κ B ϵ and REG γ in Human Lymphoma U937 Cells, Burkitt lymphoma Namalwa cells and Mouse embryonic fibroblasts which transfected with shN and shR by Western-blot assays. REG γ , the proteasome activator REG γ (also known as PSME3, PA28 γ , and Ki antigen); I κ B, Inhibitor kappa B; p-NF- κ B (ser536), Phospho-nuclear factor-kappa B; NF- κ B, Nuclear factor-kappa B; I κ B ϵ , Inhibitor kappa B epsilon; shR, REG γ -knockdown; shN, control.