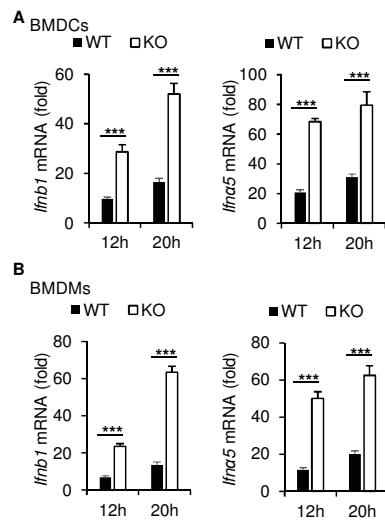


Supplemental Figure 1. Knockout of TRIM29 enhanced the mRNA production of type I IFN and IL-6 in BMDCs and BMDMs in response to poly I:C

(A, B) Quantitative RT-PCR of IFN- β 1, IFN- α 5 and IL-6 in BMDCs (A) or BMDMs (B) from wildtype (TRIM29^{+/+}) and *Trim29*-knockout (TRIM29^{-/-}) mice after 6 h of stimulation with long poly I:C (LPIC, 20 μ g/ml) or short poly I:C (SPIC, 20 μ g/ml) delivered by Lipofectamine 3000. Mock, cells without stimulation. * P <0.05, ** P <0.01 and *** P <0.001 (unpaired t test). Data are representative of three independent experiments with similar results (mean + s.d.).



Supplemental Figure 2. TRIM29 negatively regulates type I IFN production in mRNA level in BMDCs and BMDMs upon RNA virus infection

(A, B) Quantitative RT-PCR of IFN-β1 and IFN-α5 in BMDCs (A) or BMDMs (B) from wildtype (TRIM29^{+/+}) and *Trim29*-knockout (TRIM29^{-/-}) mice mock infected or infected with reovirus at a multiplicity of infection (MOI) of 5 for 12h or 20h. Mock, cells without infection. **P*<0.05, ***P*<0.01 and ****P*<0.001 (unpaired *t* test). Data are representative of three independent experiments with similar results (mean + s.d.).