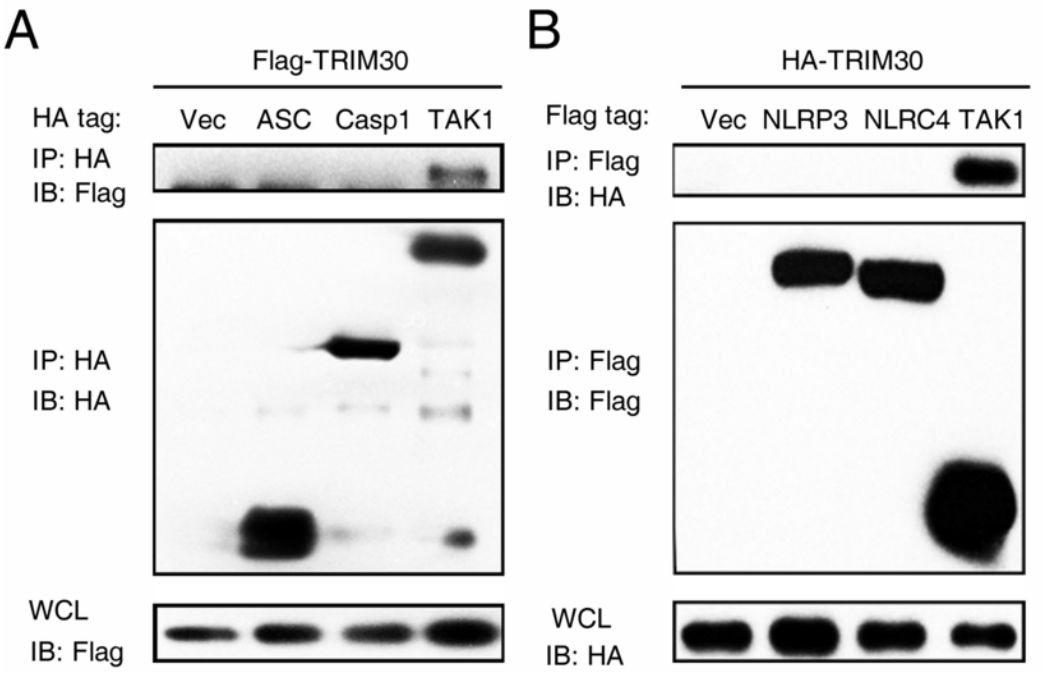
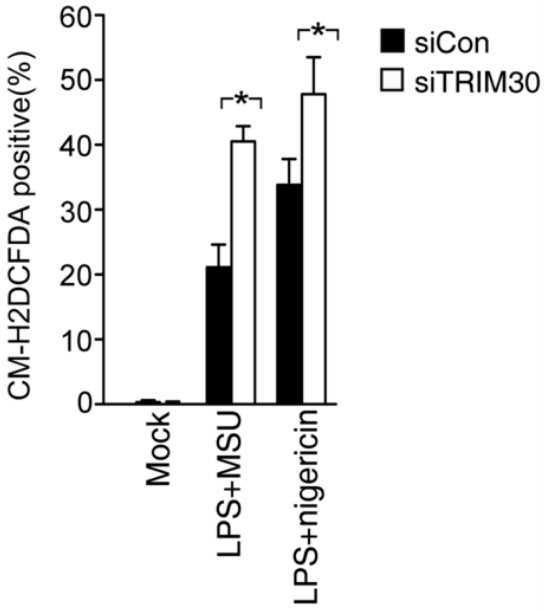
Fig. S1



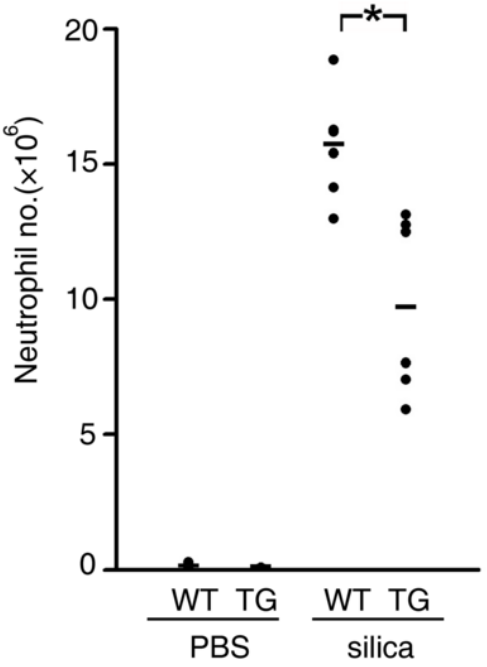
Supplemental Figure 1 TRIM30 has no interaction with the components of inflmmasomes. Immunoprecipitation (IP) and immunoblot (IB) analysis of lysates of HEK293T cells expressing various recombinant proteins. **(A)** Flag-tagged TRIM30 and HA-tagged ASC, Caspase-1 and TAK1. **(B)** Hemagglutinin-tagged (HA-tagged) TRIM30 and Flag-tagged NLRP3, NLRC4 and TAK1. Data are representative of three experiments. Casp1, Caspase-1.

Fig. S2



Supplemental Figure 2 Knockdown of TRIM30 increases levels of cellular ROS by LPS/MSU and LPS/nigericin stimulation. J774 cells were transfected with control siRNA (siCon) or TRIM30 siRNA (siTRIM30), pretreated with LPS (1μg/ml) for 6h and then stimulated with nigericin for 30 min or MSU for 3h. Levels of ROS were analyzed by CM-H2DCFDA labeling. Data in bar graphs represent means ± SD of the percentage of CM-H2DCFDA positive cells. Error bars indicate mean ± SD between duplicates. Statistical significance was determined by the Student's t-test *P<0.05.

Fig. S3



Supplemental Figure 3 Reduced silica induced acute inflammatory response in TRIM30 transgenic mice. Neutrophil influx in peritoneal lavage fluid from littermates and TRIM30 transgenic mice 6h after i.p. challenge with 1mg silica; mice challenged with PBS served as negative controls. (PBS n=4/each group; silica n=7 /each group). Statistical significance was determined by the Student's *t*-test *P<0.05.