Supplementary Figure 1. Macrophages lacking TIPE2 are more resistant to RNA virus infection

(A) Q-PCR analysis of IFN-α4, IFN-β, TNF-α, and IL-6 mRNA expression in peritoneal macrophages infected with RSV for the indicated hours. (B-D) Q-PCR analysis of IFN-α4, IFN-β, TNF-α, IL-6 and VSV-G mRNA expression in RAW264.7 cells (B), THP-1 cells (C) and primary peritoneal macrophages (D) infected with VSV at a specific MOI values (MOI=1, 5, 10) for 12h or infected with VSV for the indicated
hours. Data are presented as the mean ± s.e.m. and are representative of three independent experiments. Student’s $t$ test was used for statistical calculation. *$P < 0.05$, **$P < 0.01$ and ***$P < 0.001$.

**Supplementary Table 1.** The sequences for mouse TIPE2-specific siRNA.

| siRNA   | sense                  | antisense               |
|---------|------------------------|-------------------------|
| 166     | CCGUGGCGCAUCUUUAUUTT   | AUAAAGAGAUGCGCCACGGTT  |
| 351     | GCUACACGAUUUCGUACAGATT| UCUGACGAAUCGUGUAGCTT   |
| 517     | GCAUCAGGCACGUGUUUGATT | UCAAAACUGGCGUGUAGCTT   |
| control | UUCUCGAACGUGUACGUTT   | ACGUGACACGUUCGGAGAATT  |

**Supplementary Table 2.** Primers for RT-PCR.

|          | F(forward)         | R(reverse)               |
|----------|--------------------|--------------------------|
| h $\beta$-actin | CATGTACGTTGCTATCCAGGC | CTCCTTAATGTCACGCACGAT   |
| m $\beta$-actin | AGTGTGACGTTGACATCCGT | GCAGCTCAGTAACAGTCCGC   |
| h TIPE2  | GGAACATCCAAAGGCAAGACTG | AGCACCTCACTGCTTGCTCATC   |
| m TIPE2  | TCTCAGAAACATCCAAAGGCC | TTTGAGCTGAAGGACTCCATG   |
| m IFN-$\alpha$4 | TACTCAGCAGACCTTGGAACCT | CAGTCTTGGCACAGATTTGAC   |
| m IFN-$\beta$ | ATGAGTGGTGTTGCAGGC | TGACCTTTCAATGCAGTATTCA   |
| m TNF-$\alpha$ | TAAAAAACCTGGATCGAACCCT | GCATTAGCTTCAGATTTACGGGT   |
|          | F                                      | R                                      |
|----------|----------------------------------------|----------------------------------------|
| m IL-6   | TAGTCCTCCTACCCCCCAATTTCC               | TTGGTCCTTAGCCACTCCCTTC                |
| VSV-G    | ACGGCGTACTTCCAGATGG                    | CTCGGTTCAAGATCCAGGT                    |