

Supplementary Information

The Absence of Interferon- β Promotor Stimulator-1 (IPS-1) Predisposes to Bronchiolitis and an Asthma-like Pathology in Response to Pneumoviral Infection in Mice

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Supplementary Table 1: Oligonucleotide primer sequences are shown.

Supplementary Figure 1: Representative flow cytometry plots showing the gating of ILC2 in lung. Quadrants display % of total population.

Supplementary Figure 2: Absence of IPS-1 in adult mice does not predispose to airway eosinophilia or HMGB1 release in response to PVM infection. 6-week-old WT or IPS-1^{-/-} mice were infected with 2 pfu in early life. (A) Eosinophil numbers in BALF. (B) Quantification of cytoplasmic HMGB1.

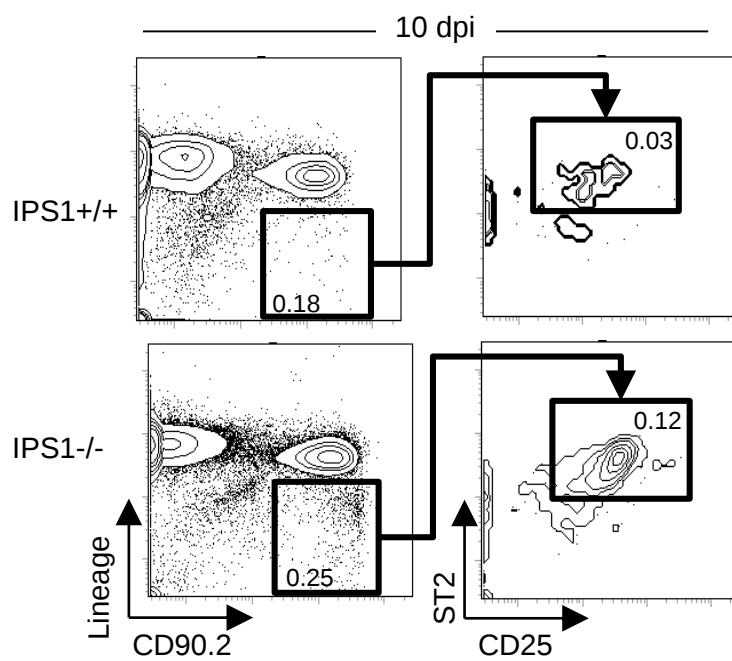
Supplementary Figure 3: Absence of IPS-1 does not predispose to elevated type-1 or type-17 inflammation. (A) IFN- γ protein expression in BALF. (B) IL-17A protein expression in BALF. (C) Neutrophil number in BALF. (D) Mononuclear cell number in BALF. (E) Total BALF cells. Data are mean and the standard error of the mean. *, **, ***, **** denotes significance between WT and IPS-1^{-/-} infected mice. #, ##, ### denotes significance between infected and naïve IPS-1^{-/-} mice. †, ††, ††† denotes significance between naïve and infected WT mice.

Sup Table 1

Gene	Forward Primer (5'-3')	Reverse Primer (5'-3')
<i>Hprt</i>	AGGCCAGACTTTGTTGGATTGAA	CAACTTGCGCTCATCTTAGGCTTT
<i>Rip1</i>	CTCCAACACACCACTTTTGG	CTCCAACACACCACTTTTGG
<i>Rip3</i>	TCCCAATCTGCACTTCAGAAC	GACACGGCACTCCTTGGTAT
<i>Mkl</i>	AGGAACCAGTGGGTCAGGAT	CAAGATTCCGTCCACAGAGGG
<i>Caspase 3</i>	TGAATCCACTGAGGTTTTGTTG	TGCTGGTGGGATCAAAGC
<i>Irf7</i>	CTTAGCCGGGAGCTTGGATCTACT	CCCTTGTACATGATGGTCACATCC
<i>Viperin</i>	AACCTGCTCATCGAAGCTGT	ATAGTGAGCAATGGCAGCCT
<i>Stat1</i>	TTTGATGAGATGTCCCGGATAGT	TCGCCAGAGAAAATTCGTGTTT
<i>PVM SH</i>	GCCTGCATCAACACAGTGTGT	GCCTGATGTGGCAGTGCTT

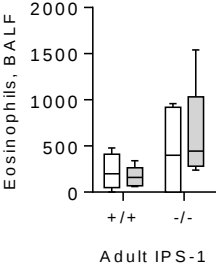
Sup fig 1

a

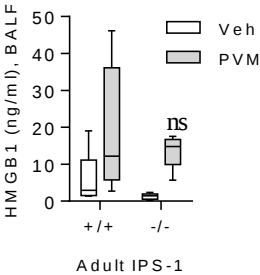


Sup fig 2

a



b



Sup fig 3

