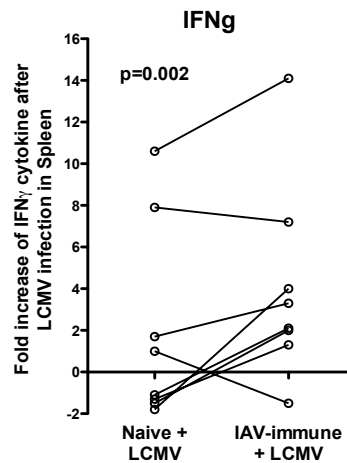


## Supplemental figure 3

a



b

Experiment	experimental groups compared*	p value**
Exp #1 (Fig 1b)	Naive + LCMV ( $^0/_{20}$ ) vs IAV + LCMV ( $^{10}/_{20}$ )	.0004
Exp #2 (Fig 1c)	Naive + LCMV ( $^0/_{16}$ ) vs IAV + LCMV ( $^{19}/_{37}$ )	.0002
	Naive + LCMV ( $^0/_{16}$ ) vs IAV + LCMV $\alpha$ CD4 ( $^{11}/_{20}$ )	.0006
	IAV + LCMV ( $^{19}/_{37}$ ) vs IAV + LCMV $\alpha$ CD8 ( $^4/_{19}$ )	.04
	IAV + LCMV $\alpha$ CD4 ( $^{11}/_{20}$ ) vs IAV + LCMV $\alpha$ CD8 ( $^4/_{19}$ )	.048
Exp #3 (Fig 4a)	Naive + LCMV ( $^0/_{8}$ ) vs IAV + LCMV ( $^7/_{7}$ )	.0002
	Naive + LCMV ( $^0/_{8}$ ) vs IAV – NPKO + LCMV ( $^{11}/_{13}$ )	.0002
	IAV + LCMV ( $^7/_{7}$ ) vs IAV – PAKO + LCMV ( $^3/_{13}$ )	.003
	IAV + LCMV ( $^7/_{7}$ ) vs IAV NPPAKO + LCMV ( $^3/_{12}$ )	.003
Exp #4 (Fig 4b)	Naive + LCMV ( $^0/_{8}$ ) vs IAV + LCMV ( $^8/_{8}$ )	.0002
	Naive + LCMV ( $^0/_{8}$ ) vs IAV + LCMV NPKO ( $^8/_{8}$ )	.025
	IAV + LCMV ( $^8/_{8}$ ) vs IAV + LCGPV ( $^0/_{8}$ )	.0002
	IAV + LCMV ( $^8/_{8}$ ) vs IAV + LC GPIV ( $^1/_{8}$ )	.001
Exp #5 (Fig 6d)	Naive + LCMV ( $^0/_{8}$ ) vs IAV + LCMV ( $^8/_{8}$ )	.001
	Naive + LCMV ( $^8/_{8}$ ) vs IAV + LCMV (2 PEP) ( $^1/_{9}$ )	.003
Exp #6 (Fig 7a)	Naive + LCMV ( $^0/_{8}$ ) vs IAV + LCMV ( $^8/_{8}$ )	.0002
	IAV + LCMV ( $^8/_{8}$ ) vs IAV + LCMV $\alpha$ IFN ( $^2/_{8}$ )	.007

### Supplemental figure S3. Increased IFN $\gamma$ levels in spleen lysates of IAV-immune mice infected with LCMV and increase of Lung bronchiolization analyse by fisher exact test.

(a) Splenocytes were harvested and cells were lysed. Cell lysates from splenocytes at day 1, 3, 7, and 9 p.i. with LCMV were analyzed with Elisa Multiplex technique for cytokine production. The fold increase in cytokine production from day 0 for each time point was calculated. Then, the fold increase at the same time point was compared between naïve and IAV-immune mice infected with LCMV. For each time point splenocytes from 3 mice were pooled and the different time points from 2 independent experiments were used. Paired Student's T test was used to analyze data.

(b) The lung pathology day 7 p.i. with LCMV was scored. \* The number of mice which had bronchiolization in each group/total number of mice in that group is shown in parentheses for each treatment group. \*\* The two groups of mice were compared using the Fisher's Exact Test to determine if there was a significant difference in the number of mice that developed bronchiolization. The p value is shown for a two-tailed test at 95% confidence interval.