

**vaccination three times with virus-like replicon particles (VRP)-  
neu or VRP-hemagglutinin (HA)**

Vaccination	Isotype control (%)	Interferon- $\gamma^+$ /CD8 $^+$ (%)
VRP- <i>neu</i>	0.10	2.80
VRP-HA	0.14	0.27
Naïve	0.03	0.39