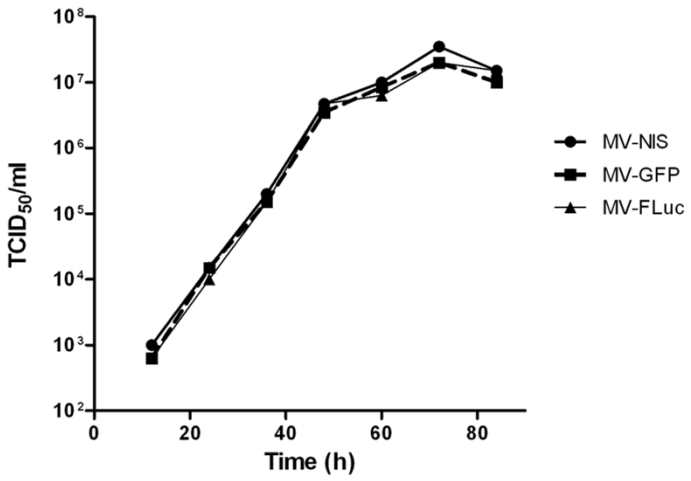
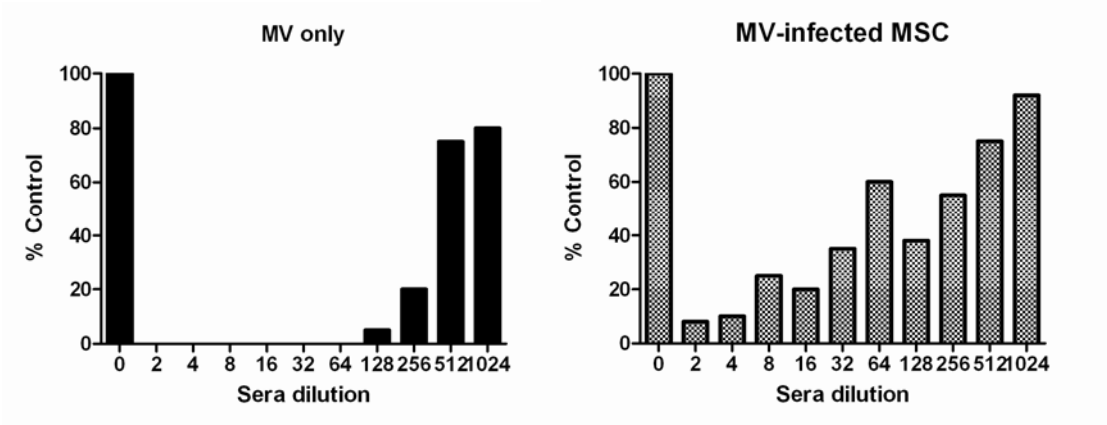
Supplementary Figure 1

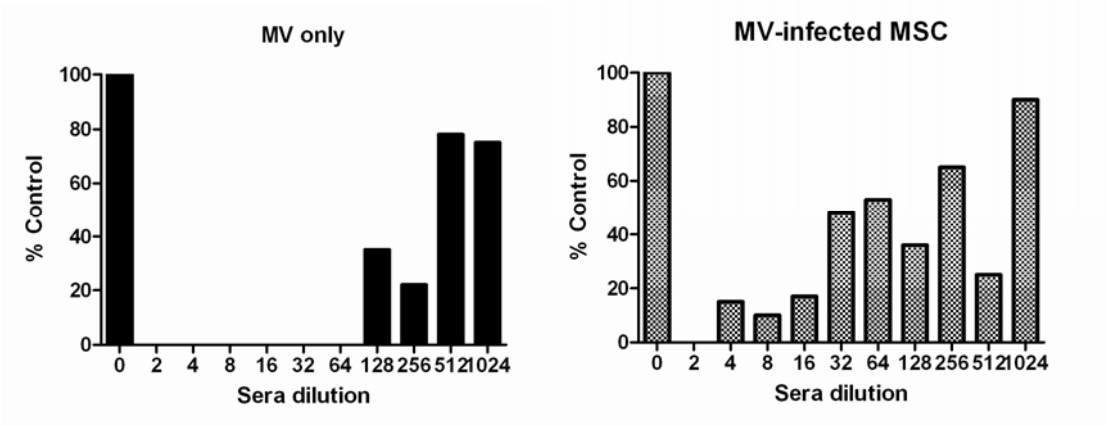


Supplementary Figure 2

Experiment 1



Experiment 2



Supplementary Fig. 1. One-step growth curves for MV-NIS, MV-GFP and MV-FLuc. To compare the growth characteristics of the various recombinant MV viruses, Vero cells were infected with the different viruses at an MOI of 3.0 for 2 hours at 37°C. After removing the virus inoculum, standard medium was added and the cells were maintained at 32°C. At 12, 24, 36, 48, 60, 72 and 84 hours after infection, cells were scraped into 1 mL Opti-MEM and cell-associated viruses were released by two freeze-thaw cycles. Viral titers were determined with Vero cells by $TCID_{50}$ titration.

Supplementary Fig. 2. Virus-infected MSCs, but not cell-free virus, were protected from the inhibitory effects of measles immune serum in-vitro. MV or MV-infected MSCs were exposed to increasing dilutions of measles immune serum and overlaid on Vero cells. The numbers of syncytia were counted and represented as a percentage of numbers of syncytia found in wells with no serum. Results from two independent experiments are shown.