Supplemental Figure 7

3 i.p. inj. of 50 µg Ova with 4 mg alum (Ova groups) or 4 mg alum (Sham)

Day 0  7  14  21  23  25  27  28

Intranasal delivery of Miro1 c-DNA Plasmid into the mice lungs

Sensitizations

Challenges

3 % Ova in PBS/ PBS alone

Supplemental Figure 7
Supplemental Figure S7: (A) The estimation of mitoSOX fluorescence in antimycin (AM) induced MLE-12 cells is shown. shRNA specifically targeting Miro1 from Sigma (MSCmiroLoS) or Origene (MSCmiroLoO) had similar loss-of-function effects on MSC. *denotes p<0.05 vs. MLE-12(AM) (B) Schematic diagram of protocol for Miro1 overexpression, in OVA induced allergic airway inflammation (C) Quantitative estimation of inflammation in peribronchial (PB) and perivascular (PV) regions of mouse lungs. No significant improvement was seen by overexpression of Miro1, in allergically inflamed mouse lungs. *denotes p<0.05 (D) Semi quantitative data of Miro1 expression in bronchial epithelial cells, quantified by Image J using the immunohistochemistry images.