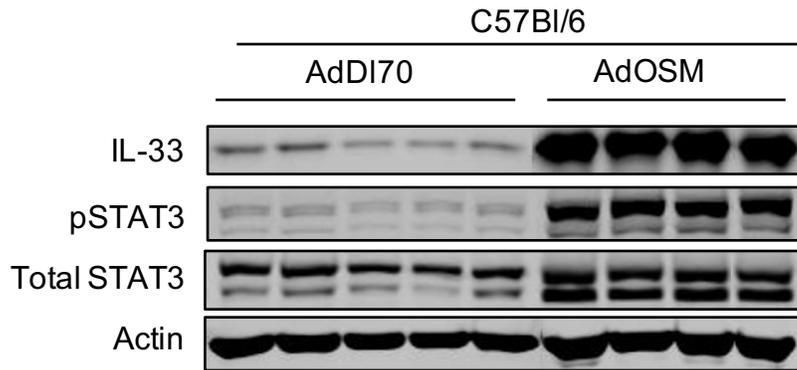
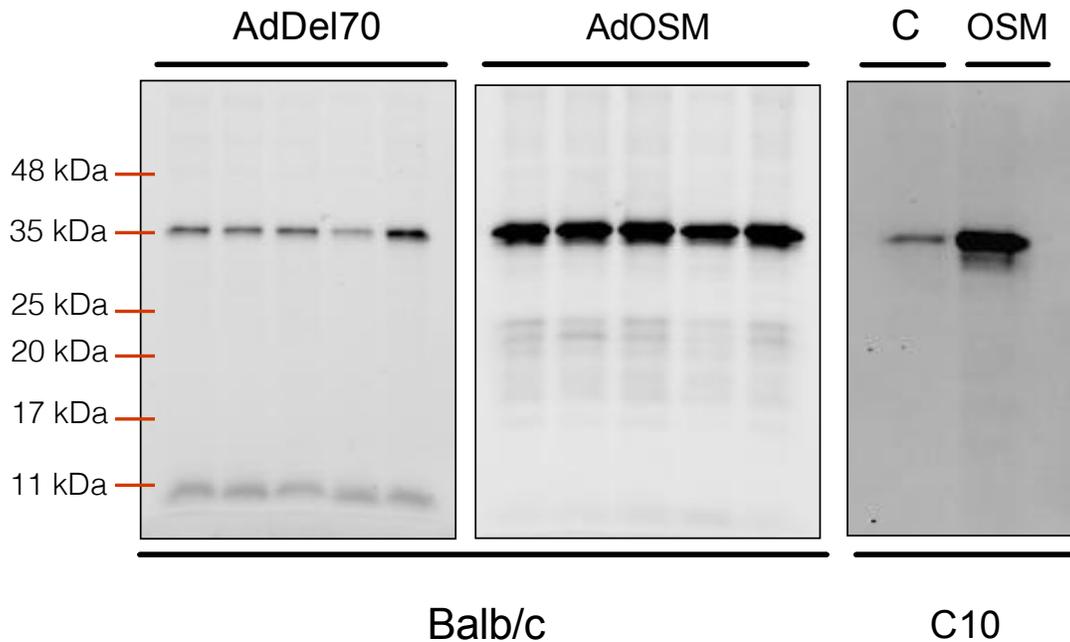


Supplemental figure 1



AdOSM induction of IL-33 and phospho-STAT3(pSTAT3) in C57Bl/6 mice. C57Bl/6 mice were culled after 7 days of an endotracheal administration of AdDI70 (n=5) or AdOSM (n=4) vectors and lung tissue was prepared for protein analysis as described in Methods. Lung tissue homogenate protein samples were probed for IL-33, pSTAT3, total STAT3, and β -actin as indicated.

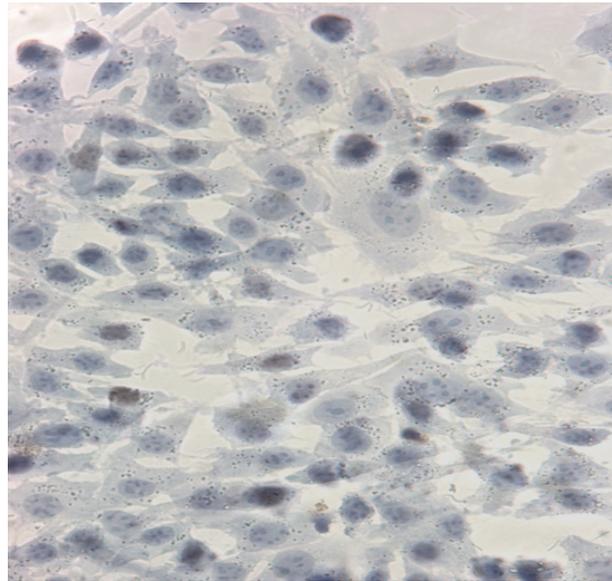
Supplemental figure 2



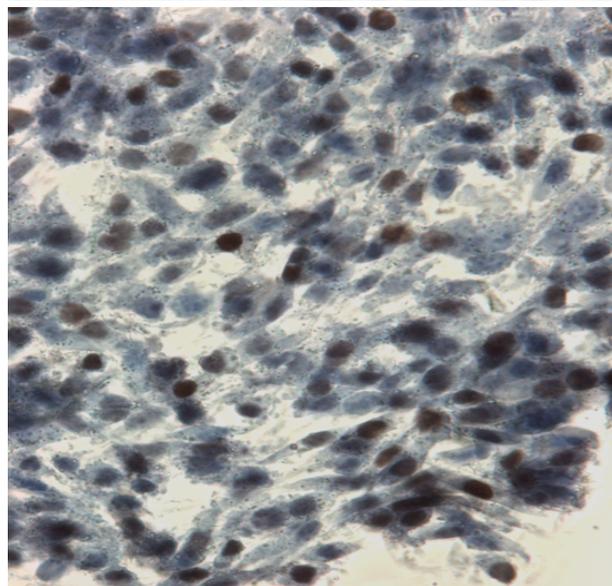
Immunoblot analysis detects primarily full length pro-IL-33. Lung tissue homogenate protein from Balb/C mice treated with AdDel70 or AdOSM vector (left and middle panel), or C10 alveolar epithelial cell protein lysates (right panel) from unstimulated (C) or OSM-stimulated cells (treated with 5 ng/ml OSM for 24 hours) were probed for IL-33 following electrophoretic separation of protein on a 12% SDS-PAGE gel.

Supplemental figure 3

IHC of C10 AEC in culture 24hr



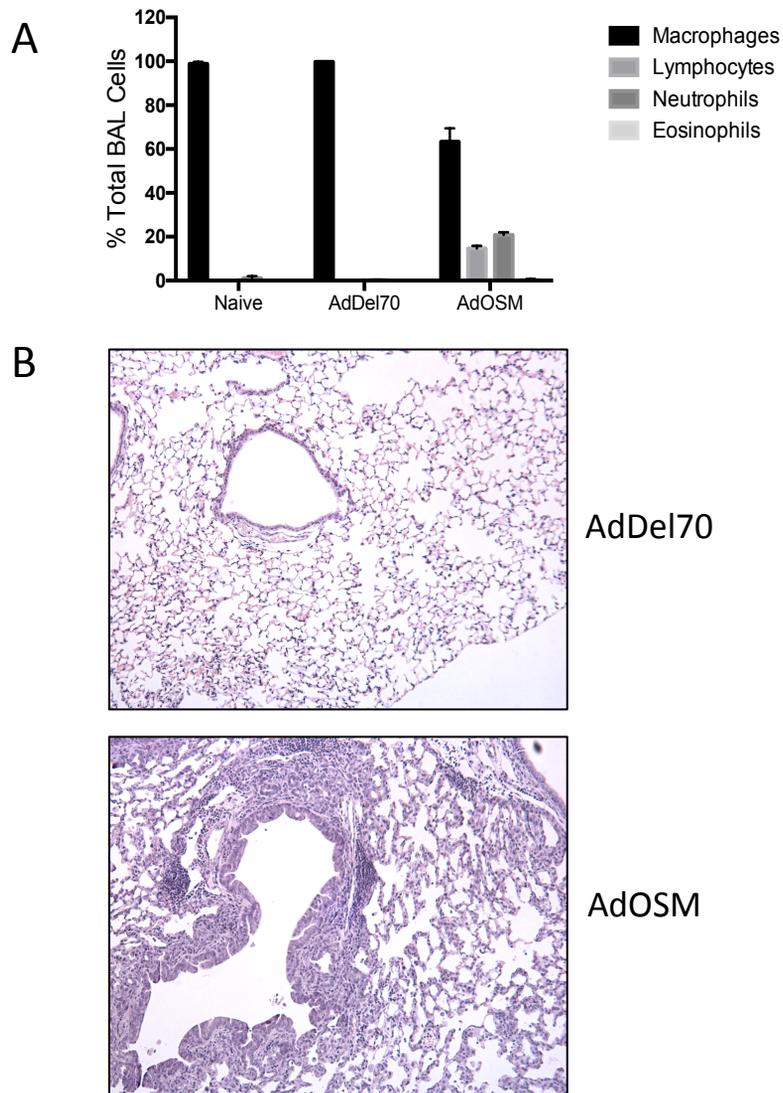
- OSM



+ OSM (10ng/ml)

OSM stimulation of C10 cells in vitro increases nuclear staining of IL-33. C10 alveolar epithelial cells (AEC) were left unstimulated (-OSM) or stimulated with OSM (10ng/ml) for 24 hours, fixed and stained for IL-33 by immunohistochemistry, as described in Methods.

Supplemental Figure 4



AdOSM induces cell accumulation and pathology in BALB/c mouse lung. A) Balb/C mice were treated with AdDel70 or AdOSM vector and culled after 7 days (n=3, +/- SEM) A) BAL fluid cells were analysed by differential counting as previous [31] and showed increased percentage of neutrophils and lymphocytes as previously published in BALB/c [31]. (B) Representative images of histological sections stained with H&E are shown from AdDel70 or AdOSM treated BALB/c mice as indicated (50x power).