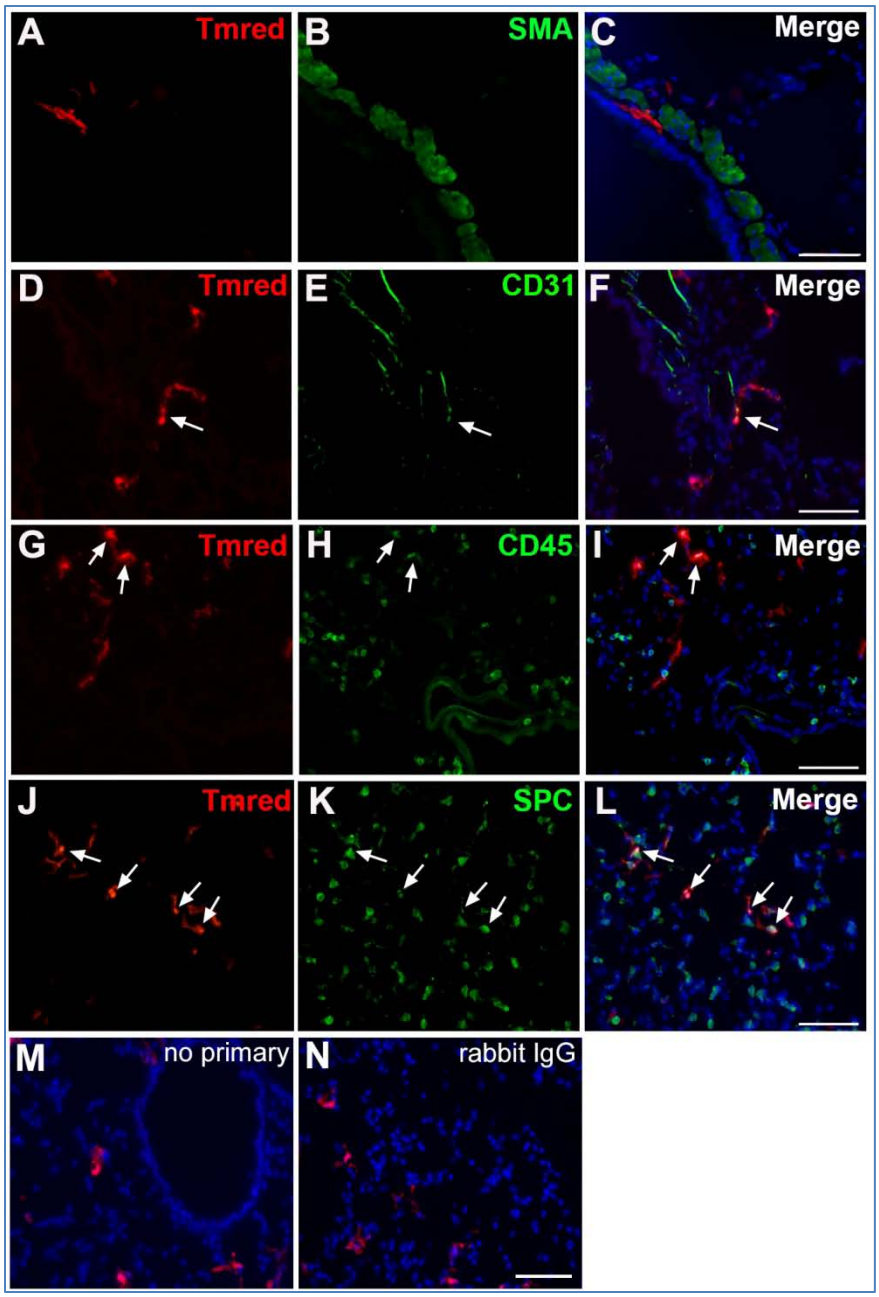

Supplementary Figure 2. Lineage tracing of TrkB-expressing cells in postnatal lungs identifies selective TrkB expression by nerves in conducting airways. *TrkB*$^{CreERT2/+}$*;Rosa(tmRed)* mice received 6 doses of tamoxifen between P5-P7 and P15-P17 before lungs were harvested at P21. Frozen lung sections of tamoxifen-treated *TrkB*$^{CreERT2/+}$*;Rosa(tmRed)* mice were collected and stained for markers of airway smooth muscle (α-SMA) (*A-C*), endothelial cells (CD31) (*D-F*), immune cells (CD45) (*G-I*), and type II alveolar cells (SPC) (*J-L*). Negative controls include no primary control for directly conjugated antibodies (M) and rabbit IgG isotype for the SPC antibody (N). Arrows mark tmRed^{+} cells that also expressed individual cell markers. TmRed was detected only in nerves in the conducting airway. TmRed was also detected in ~5% cells in alveoli. Approximately 87% of these lineage labeled cells in alveoli were SPC^{+} type II pneumocytes, 10% were CD31^{+} endothelial cells, and 2% were CD45^{+} immune cells. Scale bars, 100μm. N=2 mice per group. Primary antibodies included: FITC-conjugated mouse anti-α-smooth muscle actin (SMA) (1:100; clone 1A4, Cat. #F3777, Sigma), FITC-conjugated rat anti-mouse CD45 (1:100, Cat. #553079, BD Pharmingen), FITC-conjugated rat anti-mouse CD31 (1:100, Cat. #BD Pharmingen), rabbit anti-pro-SPC (1:200, Cat. #AB3786, Millipore).