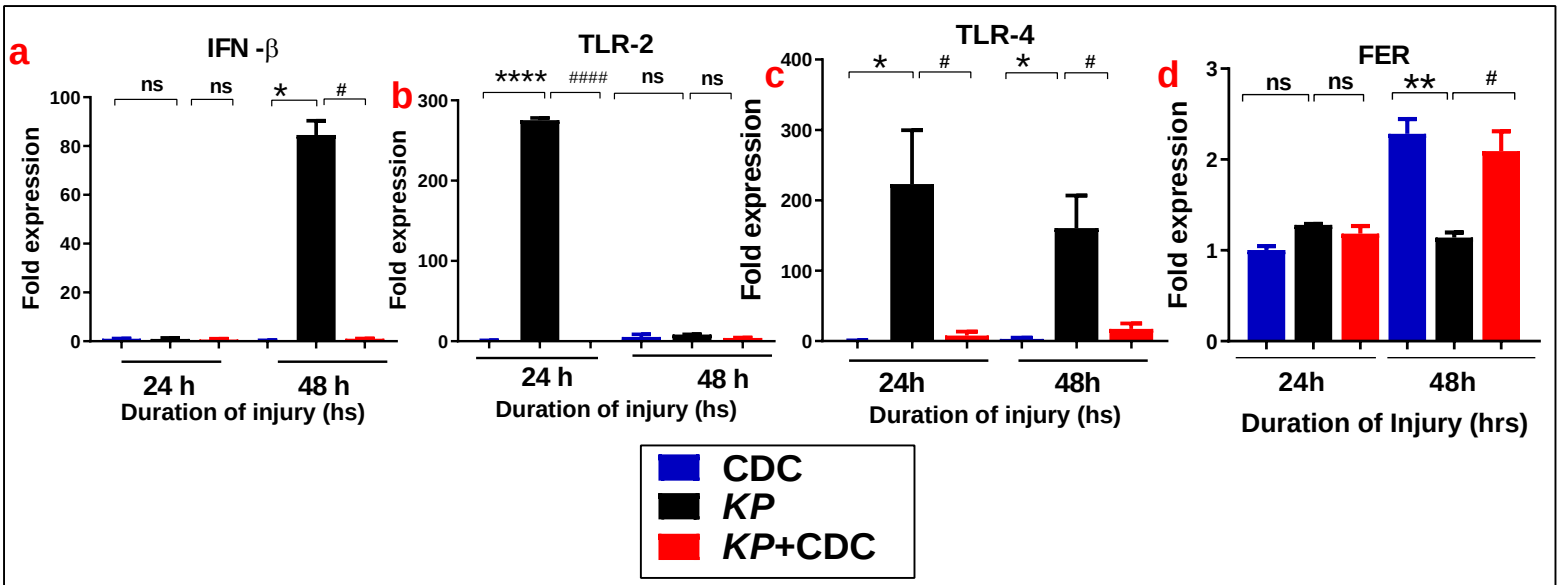
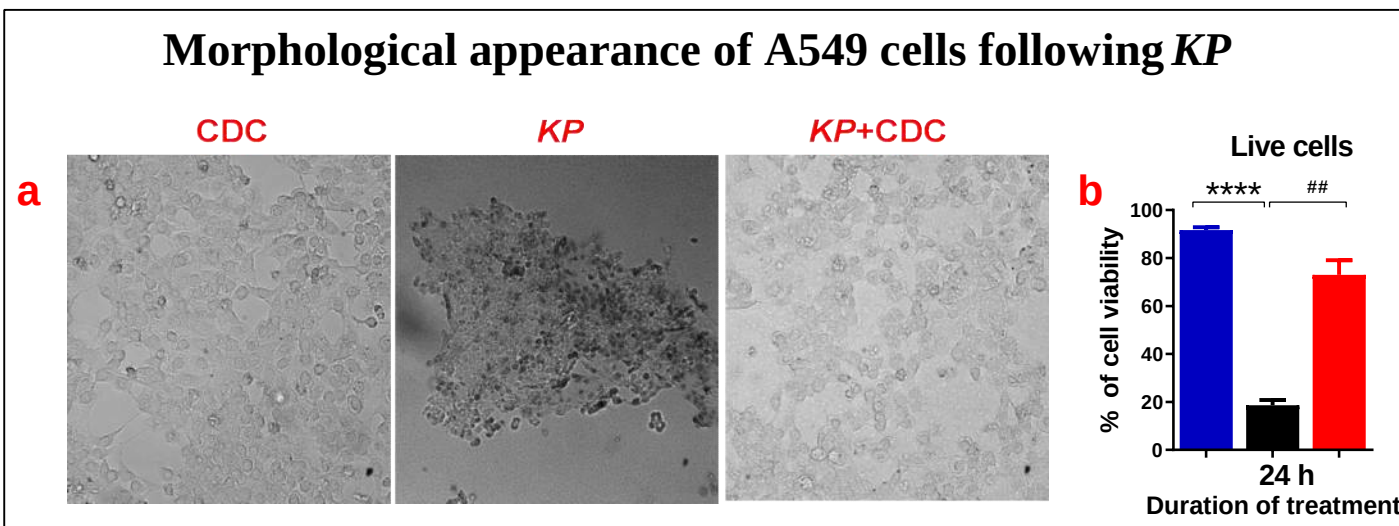
Supplementary Figure-2



Supplemental Figure 2: CDC reduced the e *xpression of pro-inflammatory genes following pneumonia*. After pneumonia, mice were sacrificed at 24 and 48 hours (n=5 per group). The lung samples were collected and isolated RNA. The expression of IFN-β (a), TLR-2 (b), TLR-4 (c), FER (d) was measured. Statistical analysis was performed at each time point; samples were analyzed using two-tailed unpaired t-test with Welch's correction (*p<0.05 CDC vs. *KP) (#p*<0.05 *KP* vs. *KP*+CDC).

Supplementary Figure-3



Supplemental Figure 3: CDC protects human lung epithelial (A549) cell following pneumonia. Human epithelial cells treated with (100 cfu) KP at 24 hours, and following CDC ((200 µM). After 24 hours later observe the cell morphology (a) and measure the cell viability (b) (#p< 0.05 *KP* vs. CDC +*KP*).