Study identifies new potential drug target for pneumonia

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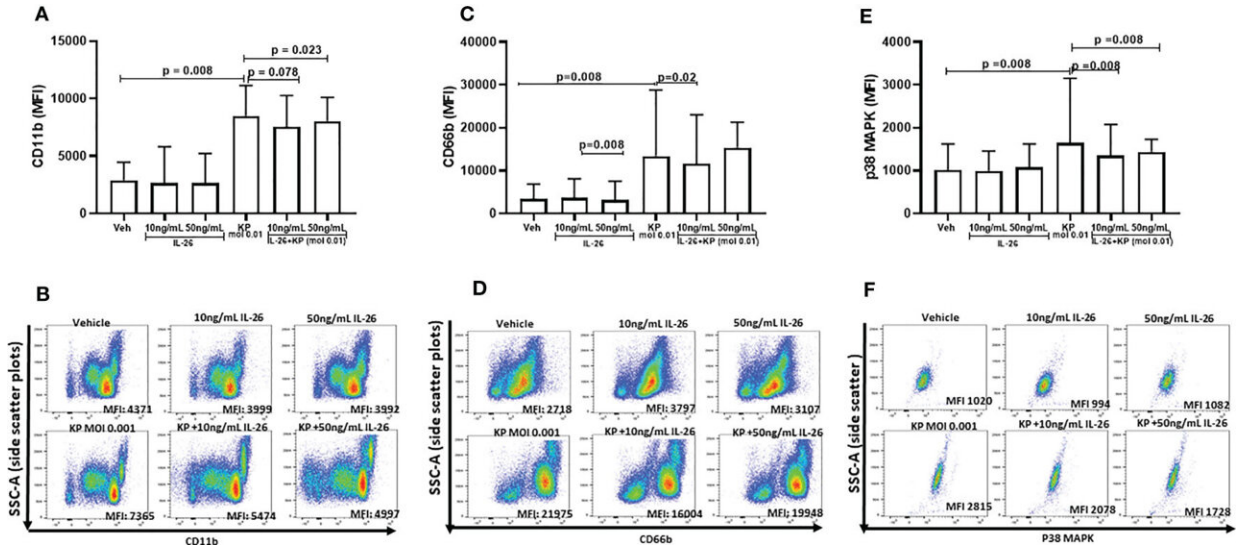

Effects of IL-26 on the activation state of neutrophils exposed to Klebsiella pneumoniae. Human blood neutrophils were exposed to live Klebsiella pneumoniae (multiplicity infection (MOI); 0.01) with and without additional stimulation by rhIL-26 (10 and 50 ng/mL) for 3 hours. The expression of CD11b, CD66b and p38 MAPK was assessed using flow cytometry and their median florescent intensity (MFI) determined. Data sets are shown in panels as follows: (A) MFI for CD11b expression for all subjects (n=8); (B) Representative scatter plots for CD11b expression; (C) MFI for CD66b for all subjects (n=8); (D) Representative scatter plots for CD66b expression; (E) MFI for p38 MAPK expression for all subjects (n=9); (F) Representative scatter plots for p38 MAPK expression. The results in panels (A, C, E) are presented as median with range and the p-values are according to Wilcoxon Signed-rank test. p-values