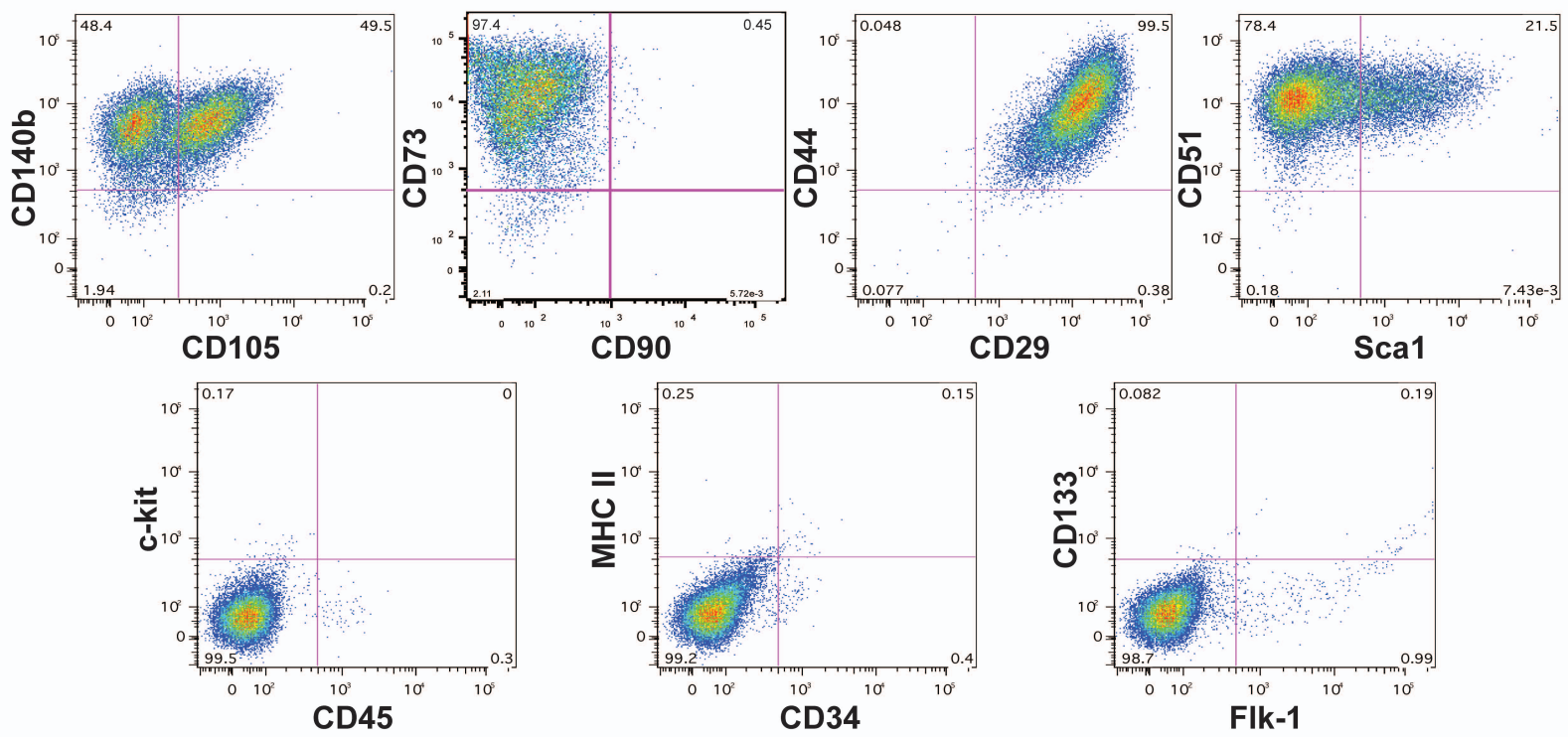
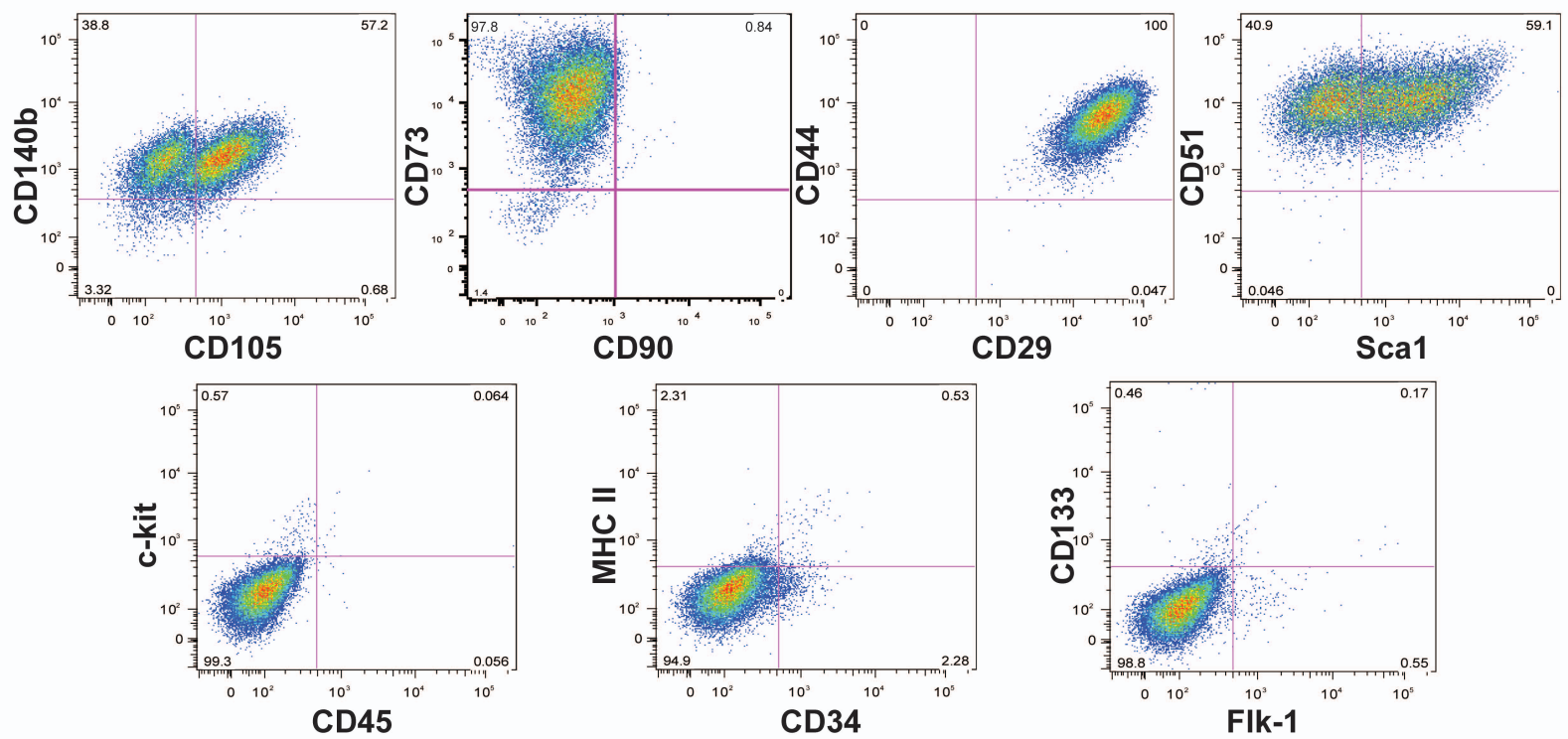


A) HO-1^{+/+} MSCs



B) HO-1^{-/-} MSCs

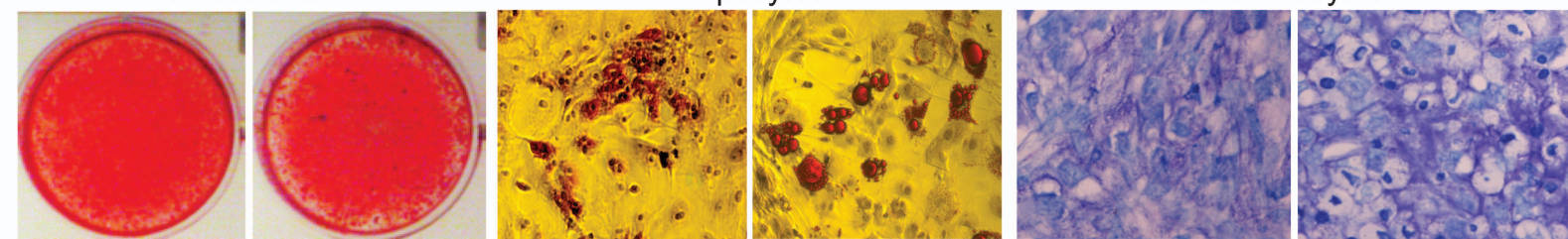


C) Differentiation of MSCs

osteoblasts

adipocytes

chondrocytes



+/+

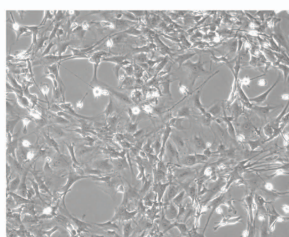
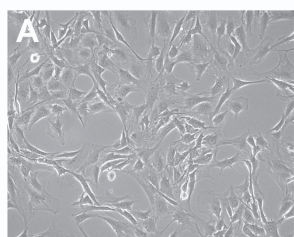
-/-

+/+

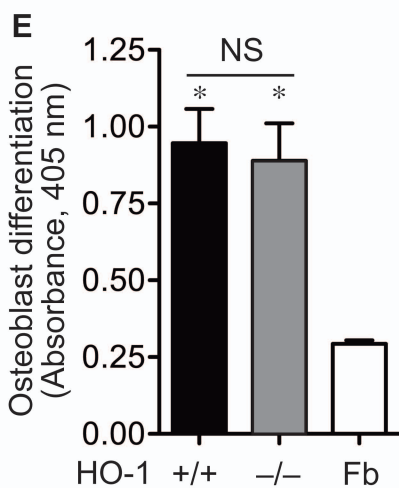
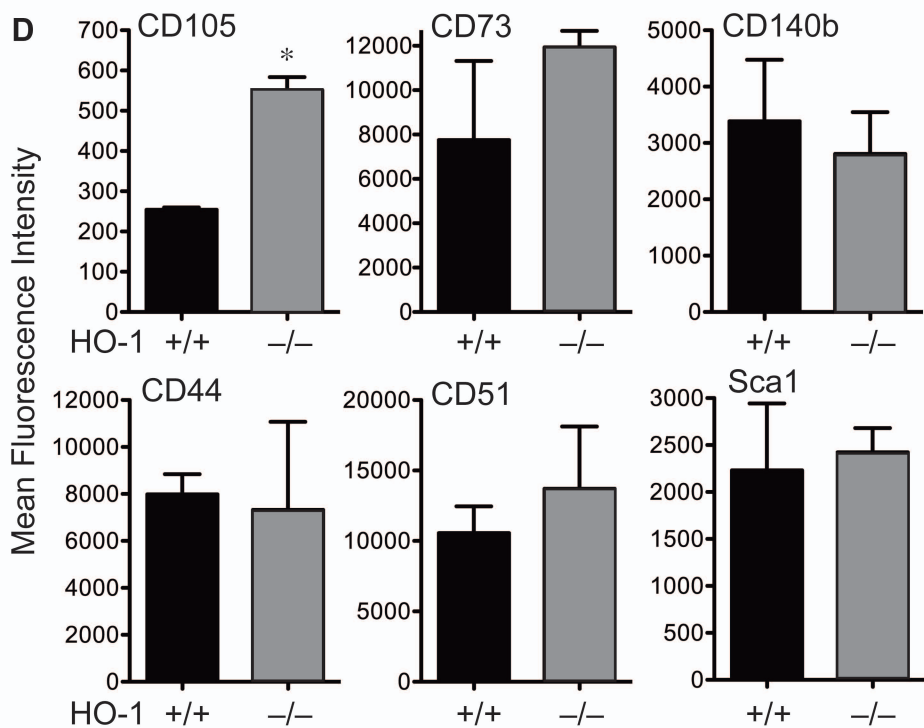
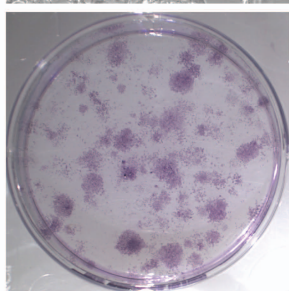
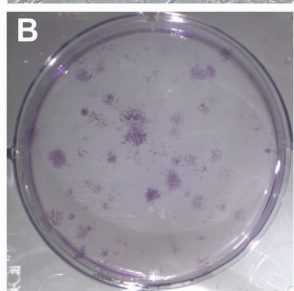
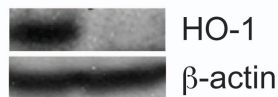
-/-

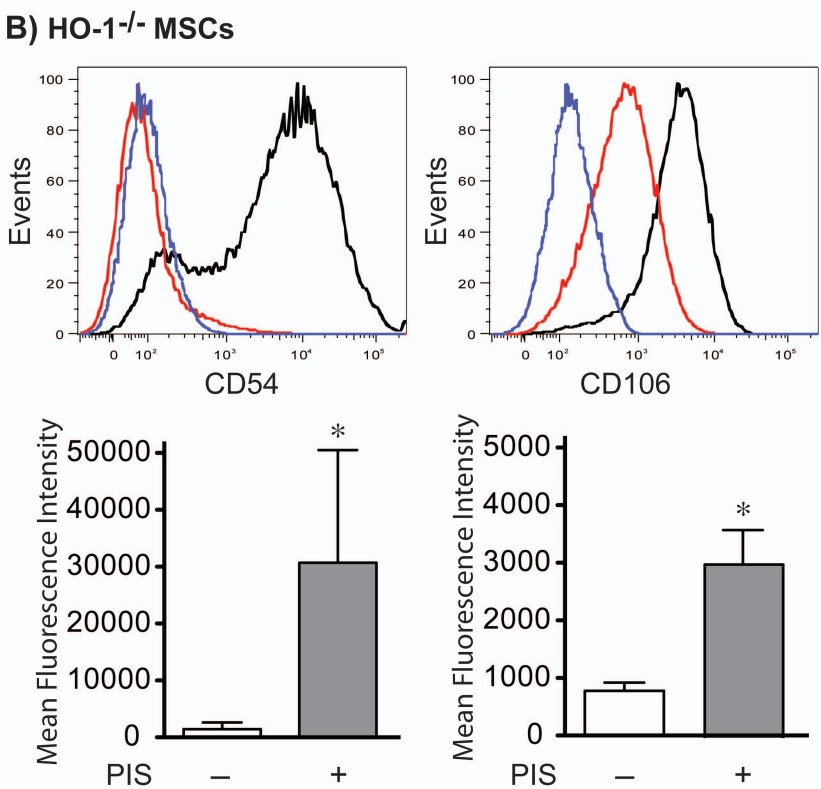
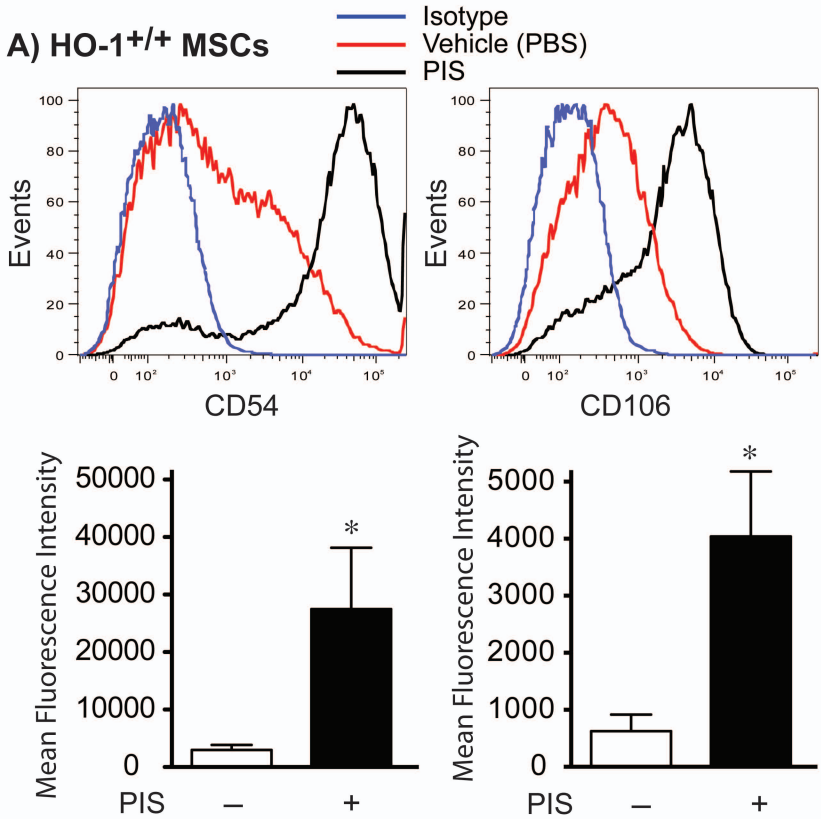
+/+

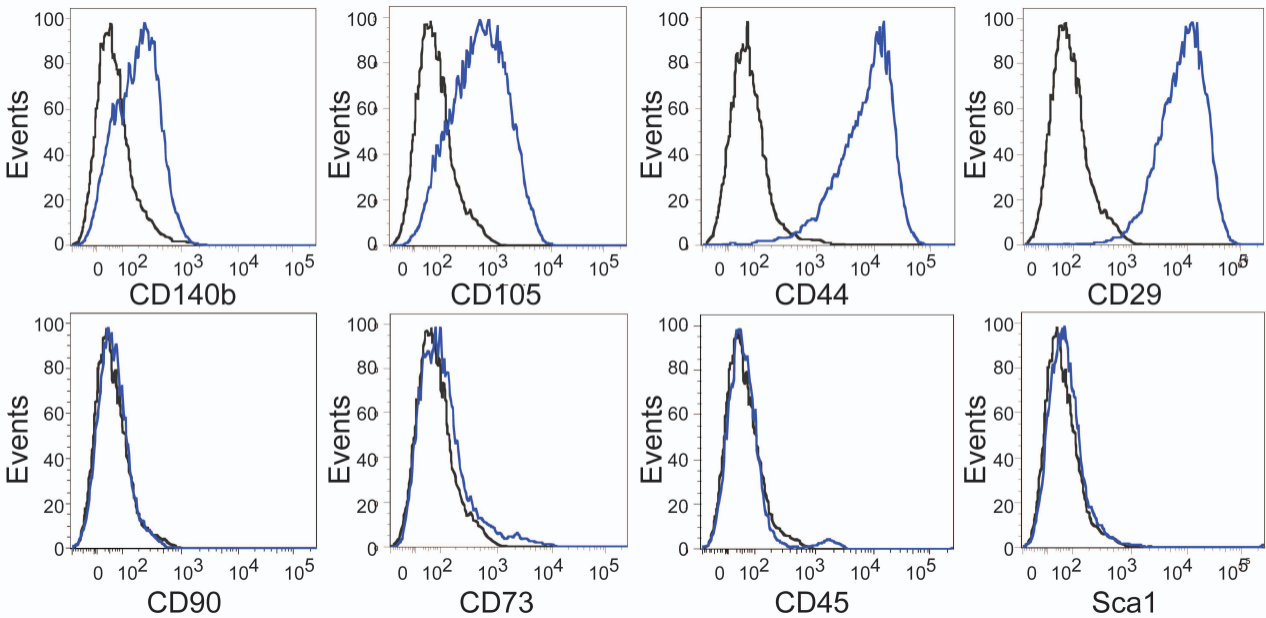
-/-

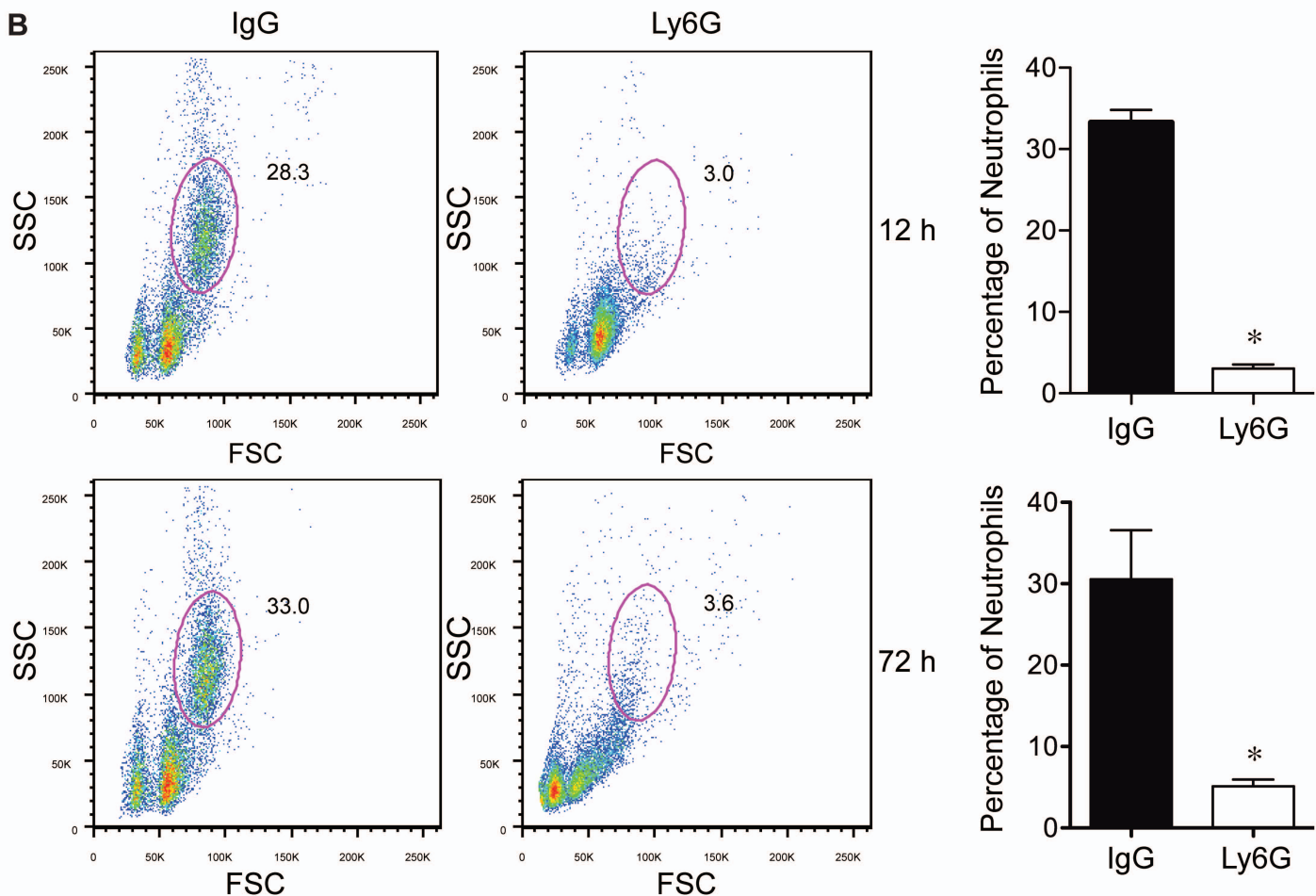
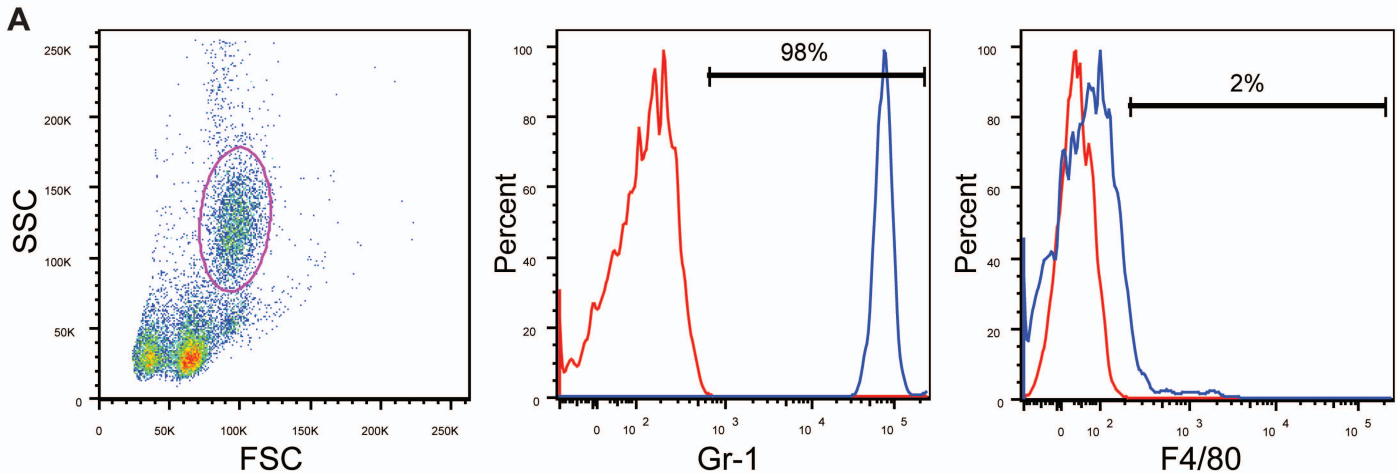
HO-1^{+/+}HO-1^{-/-}**C**

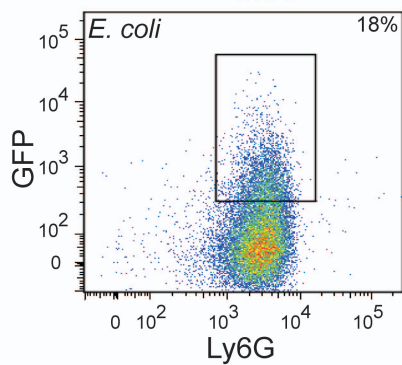
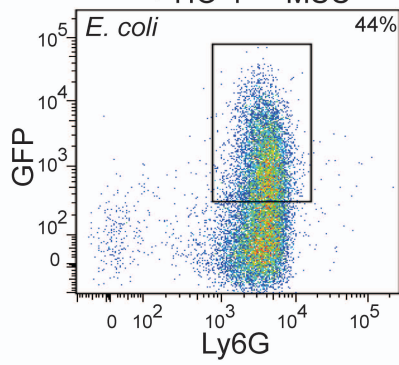
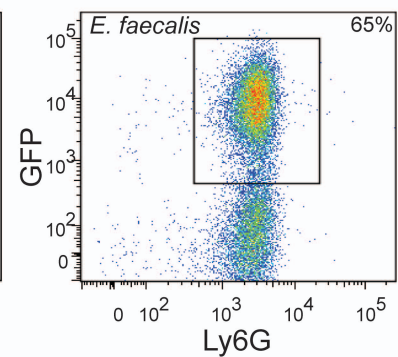
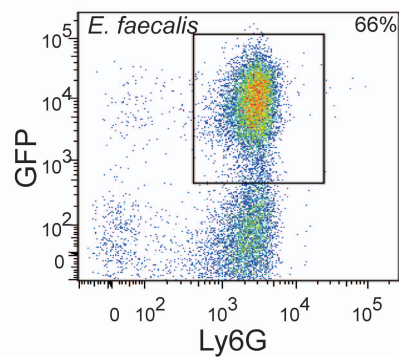
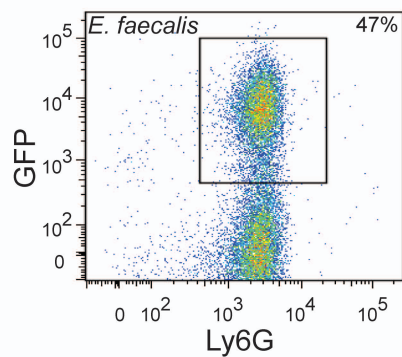
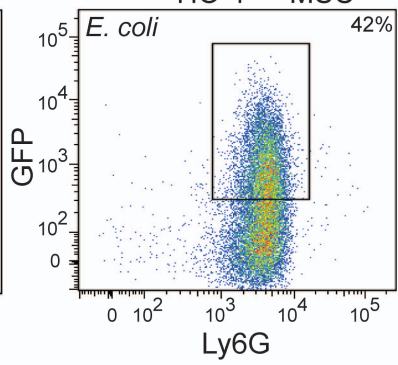
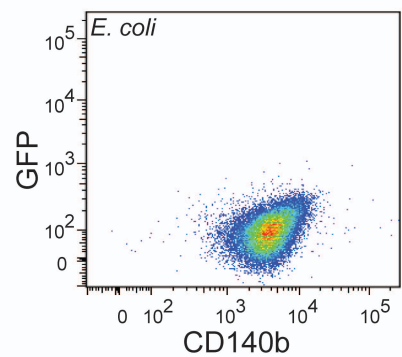
+/+ -/-









A**- MSC****+ HO-1^{-/-} MSC****+ HO-1^{+/+} MSC****B****HO-1^{-/-} MSC****HO-1^{+/+} MSC**