



Figure S1. Increase of cytoplasmic granularity and lipofuscin aggregates in H_2O_2 treated cells. H_2O_2 treated cells (**B**) in comparison with control ones (**A**) showed in FACS (Fluorescence Activated Cell Sorting) analysis an increase of SSC intensity (Side Scatter) that is a measure of cytoplasmic granularity. It reflects the characteristic increment in lysosomal content of senescent cells. FSC (Forward Scatter) intensity represents the measure of the relative size of the cells. Moreover, in H_2O_2 treated cells a population with high autofluorescence in 525/50nm bandpass channel from the 488nm excitation wavelength has been detected (**D**) in comparison with the control (**C**). This is a marker of senescent intra-lysosomal accumulation of lipofuscin aggregates.