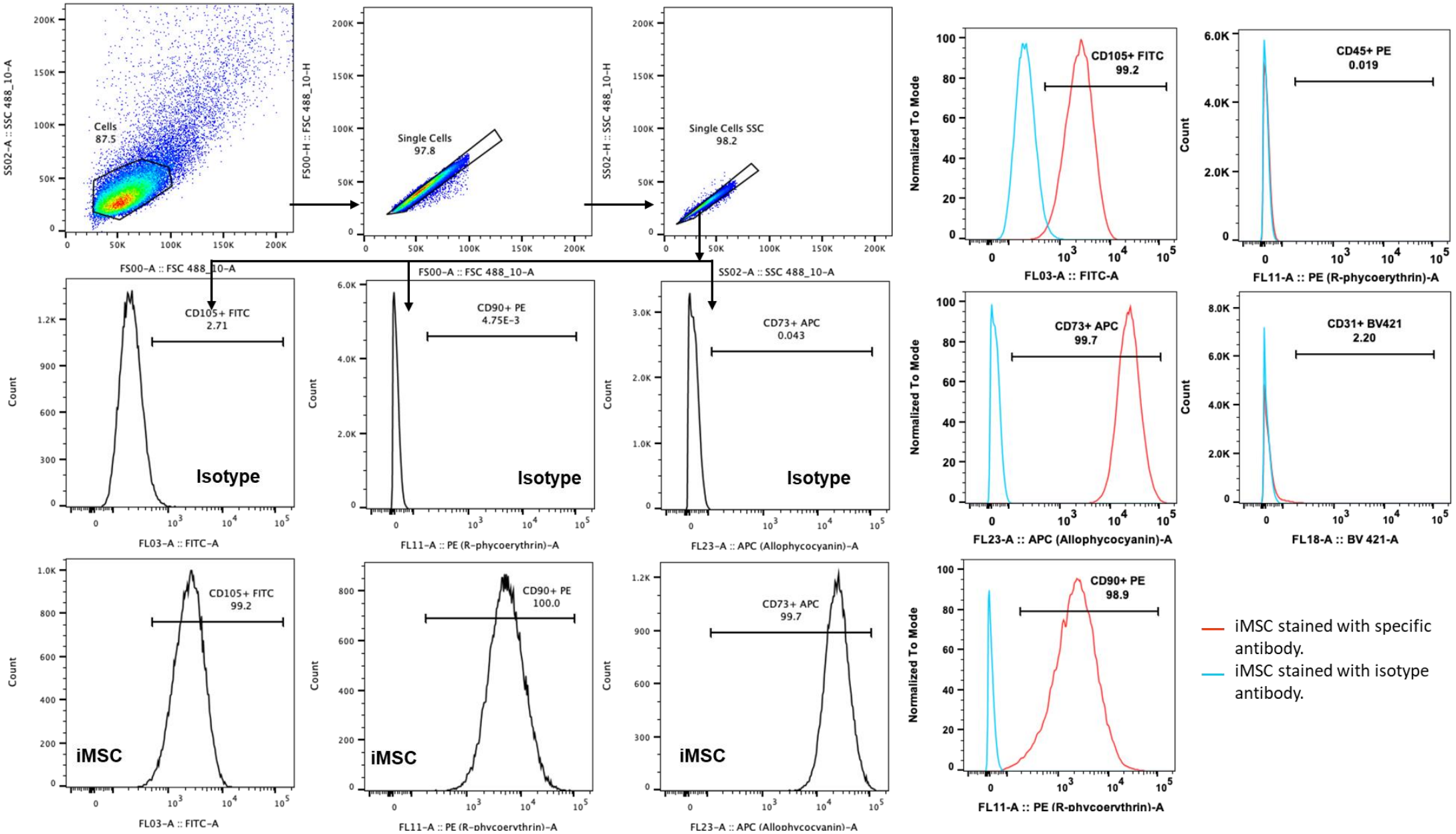
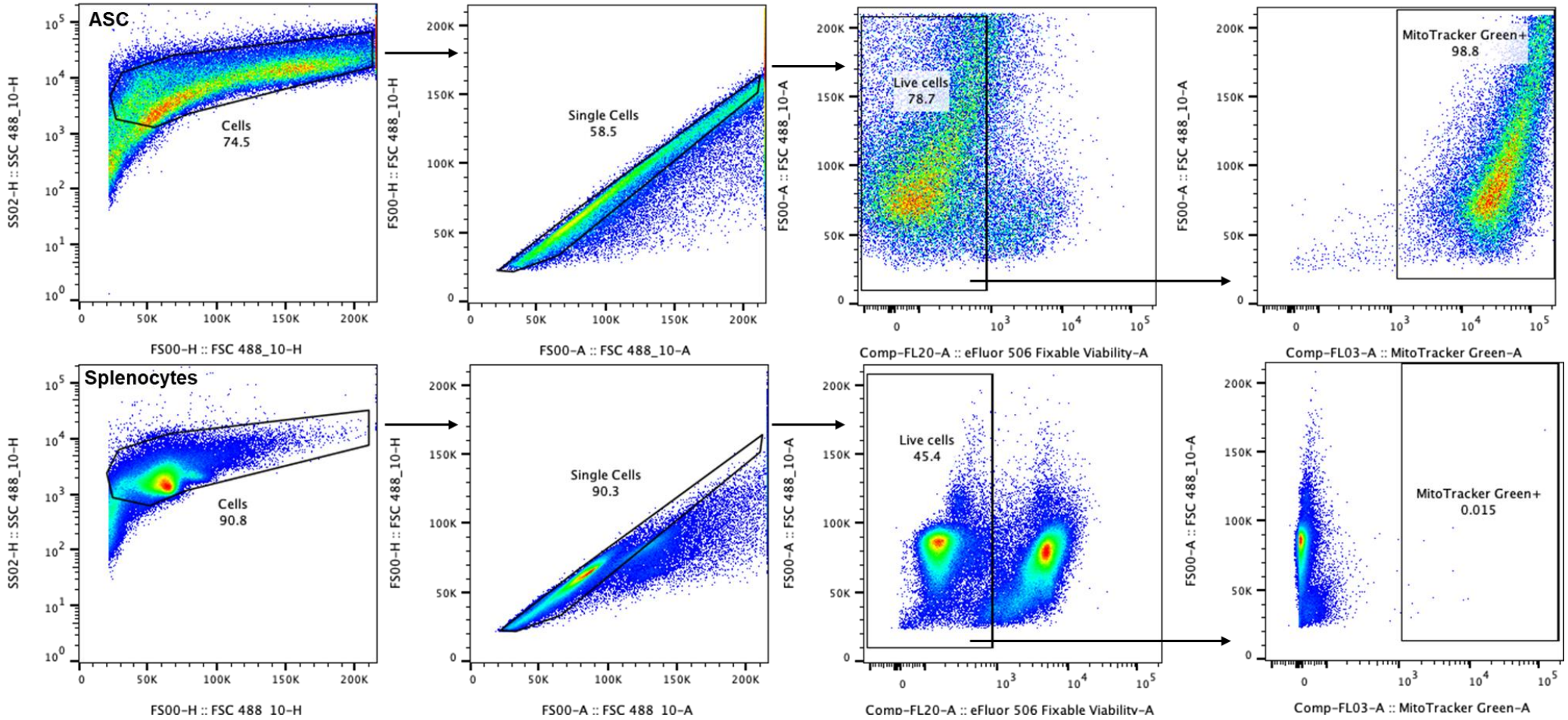
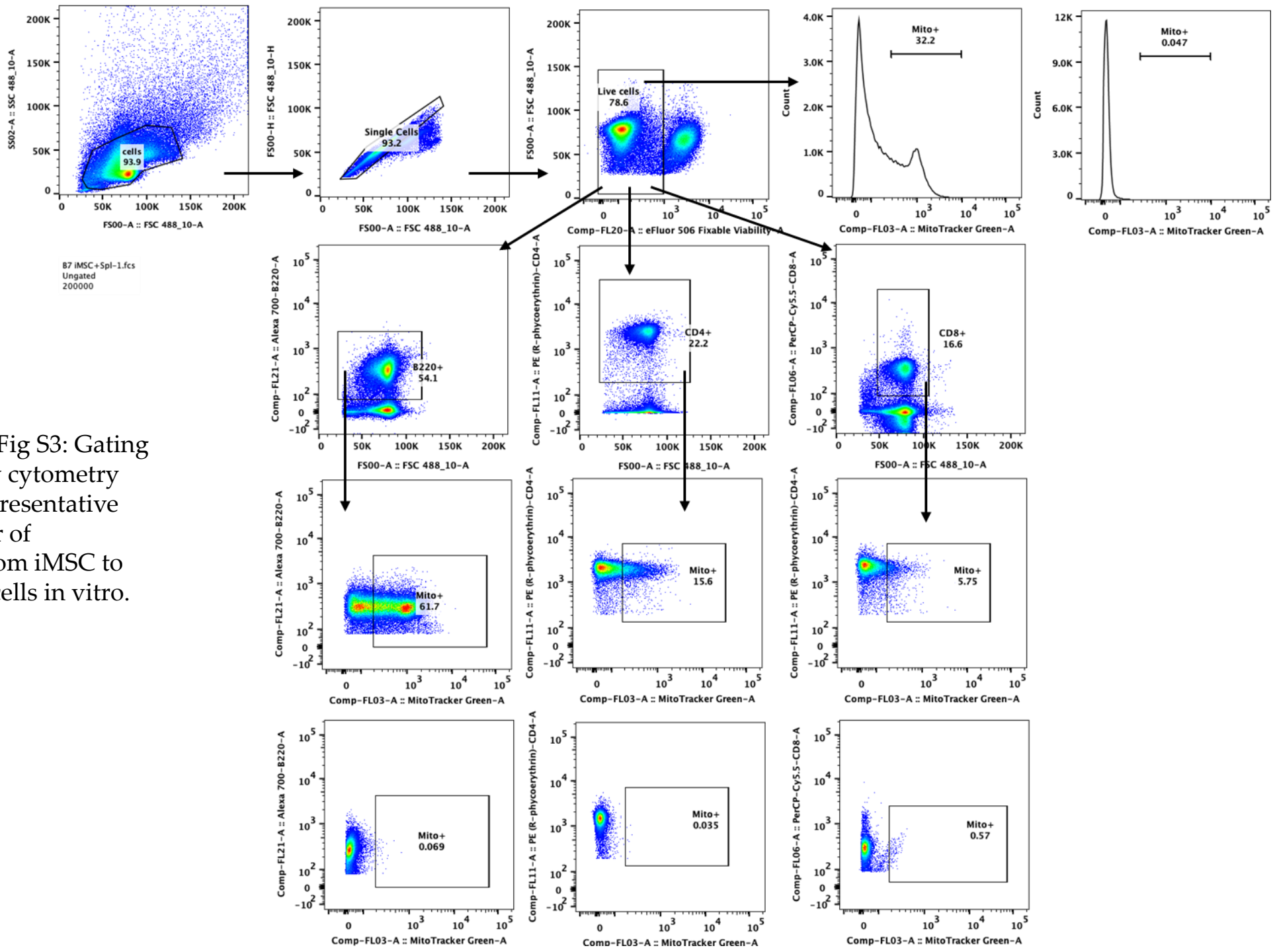


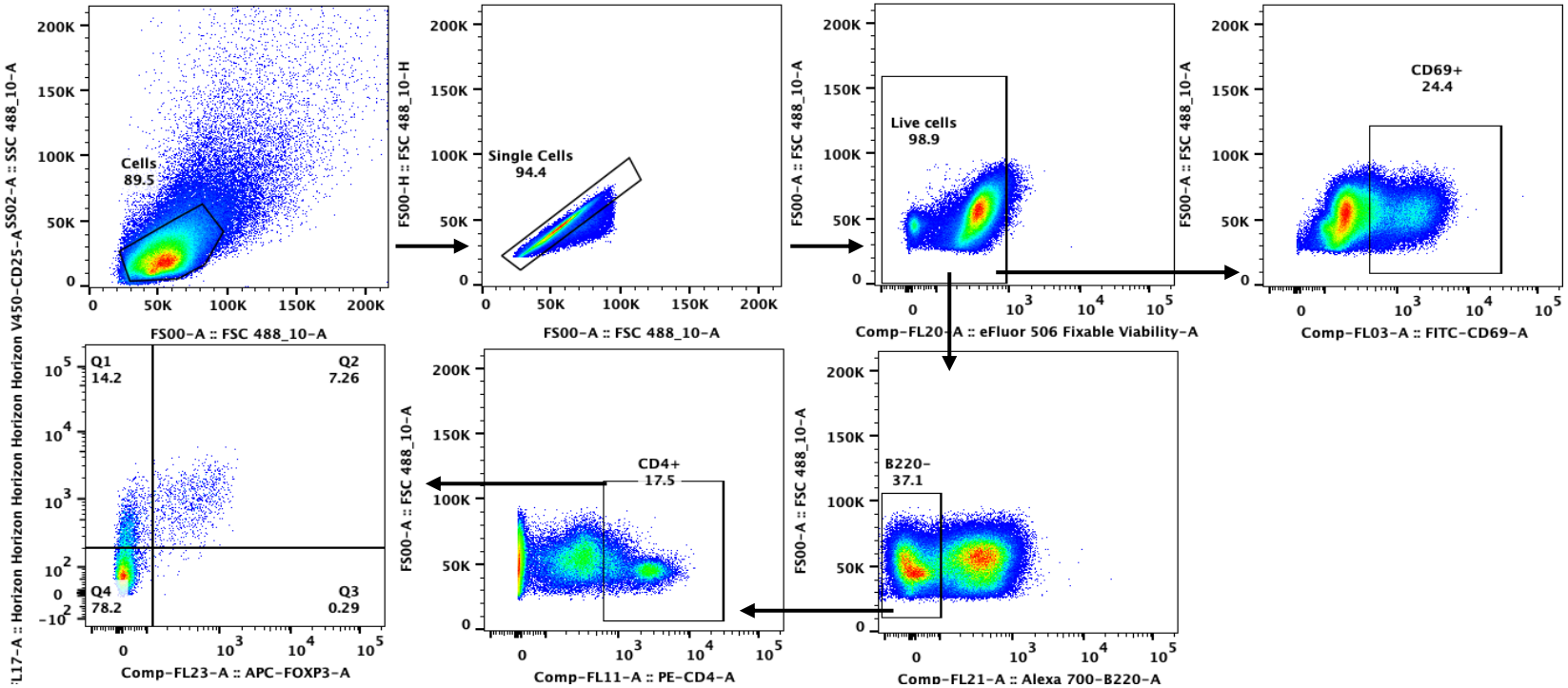
Supplementary Fig S1: Gating strategy for iMSC characterization and representative plots . Overlay plots showing MSC characteristics positive and negative surface markers percent expression on iMSC.



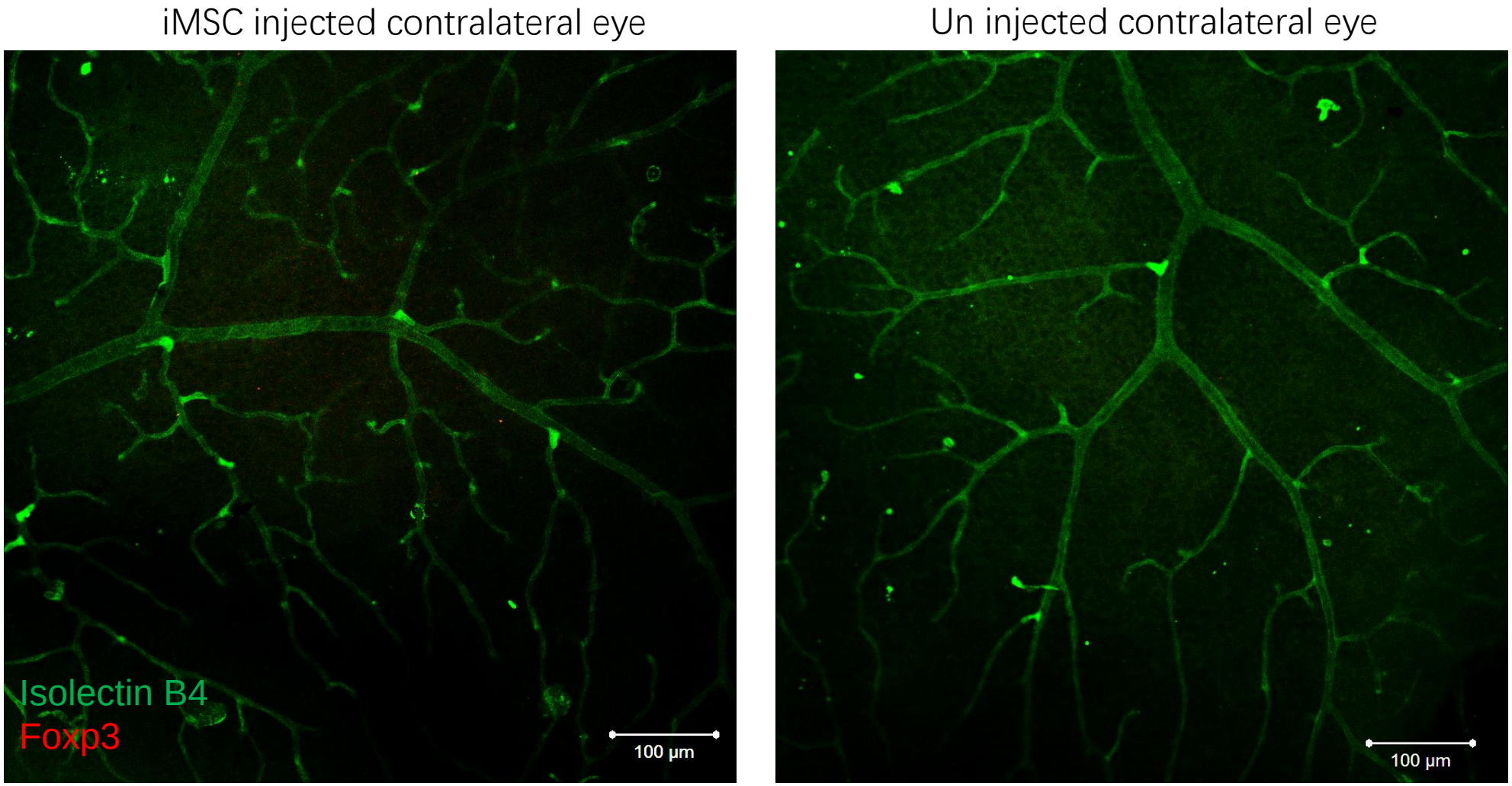
Supplementary Fig S2: Flow cytometry representative plots showing splenocytes incubated with media obtained from mitoTracker green stained ASC were negative for MitoTracker Green. ASC were stained with mitoTracker Green and cultured for 2 h. The cell supernatant was then incubated with splenocytes for 24h, washed and assessed for mitoTracker Green.



Supplementary Fig S3: Gating strategy for flow cytometry analysis and representative plots for transfer of mitochondria from iMSC to mouse T and B cells in vitro.



Supplementary Figure S4: Representative gating strategy and flow cytometry dot plots showing CD25+Foxp3+ Tregs in iMSC/ASC co-cultures with activated splenocytes.



Supplementary Fig S5: Retinal flat mounts analyzed for Tregs in the retina by confocal microscopy revealed no positive immunostaining in the iMSC injected contralateral eye (left) and un-injured contralateral eye (right) for Foxp3 expression. Isolectin B4 staining was used to identify blood vessels. The data shown is representative of n=3-4 eyes/group.