

Supplementary Fig. 1

10 μ g naïve sEVs
6h post injection

Neuron (SC)

Astrocyte (SC)

Microglia/Macrophage (SC)

Macrophage (DRG)

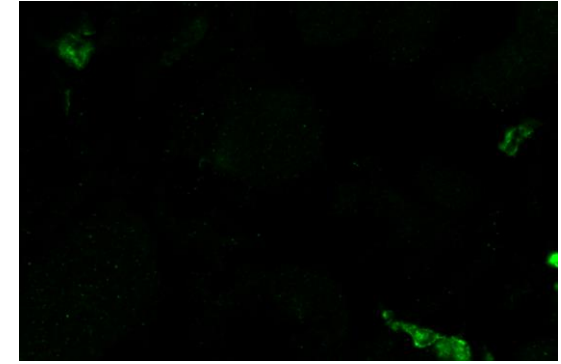
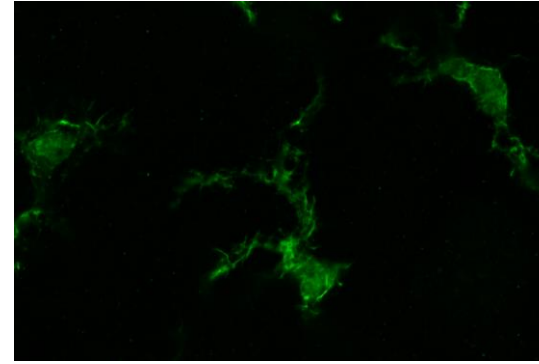
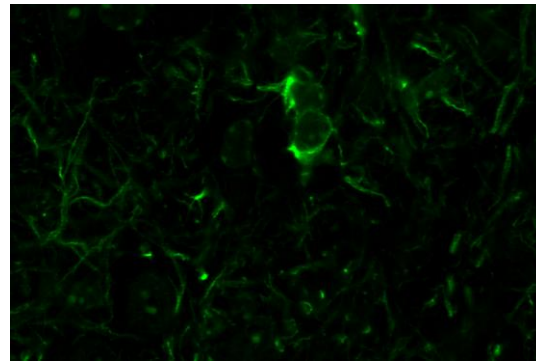
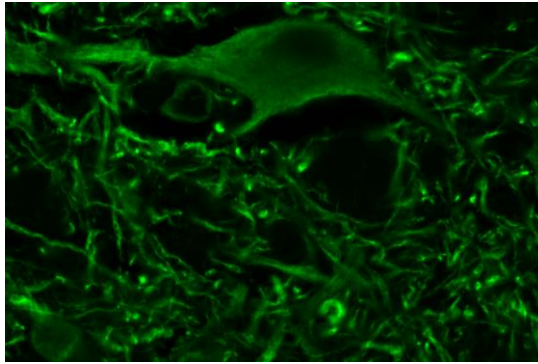
MAP2A

GFAP

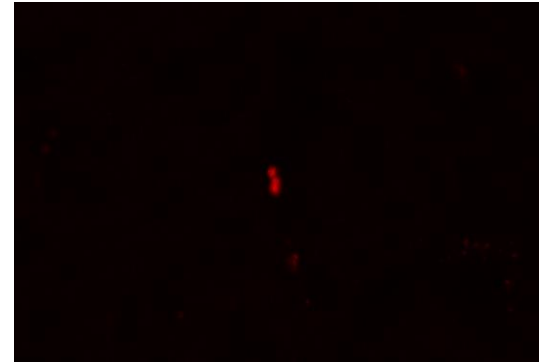
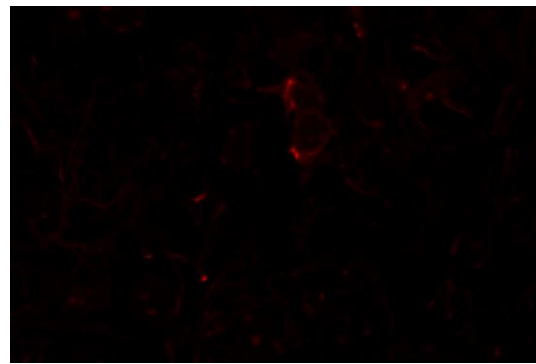
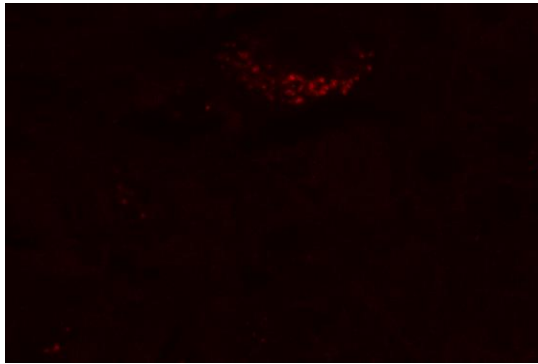
IBA1

IBA1

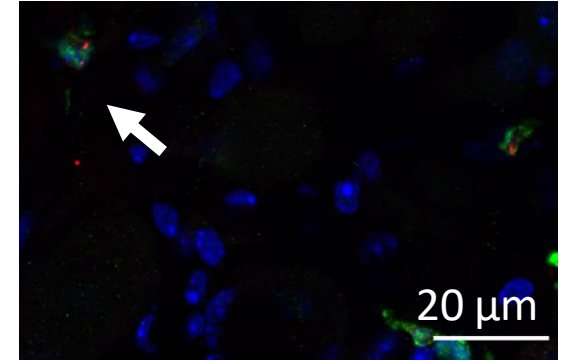
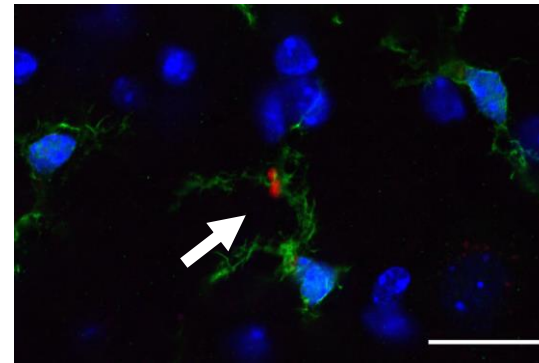
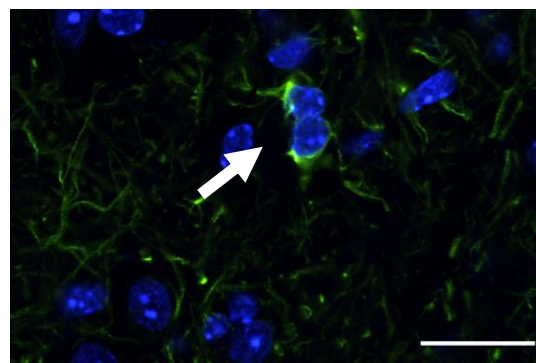
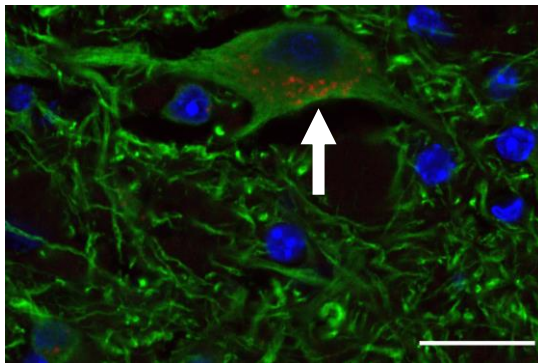
Cell marker



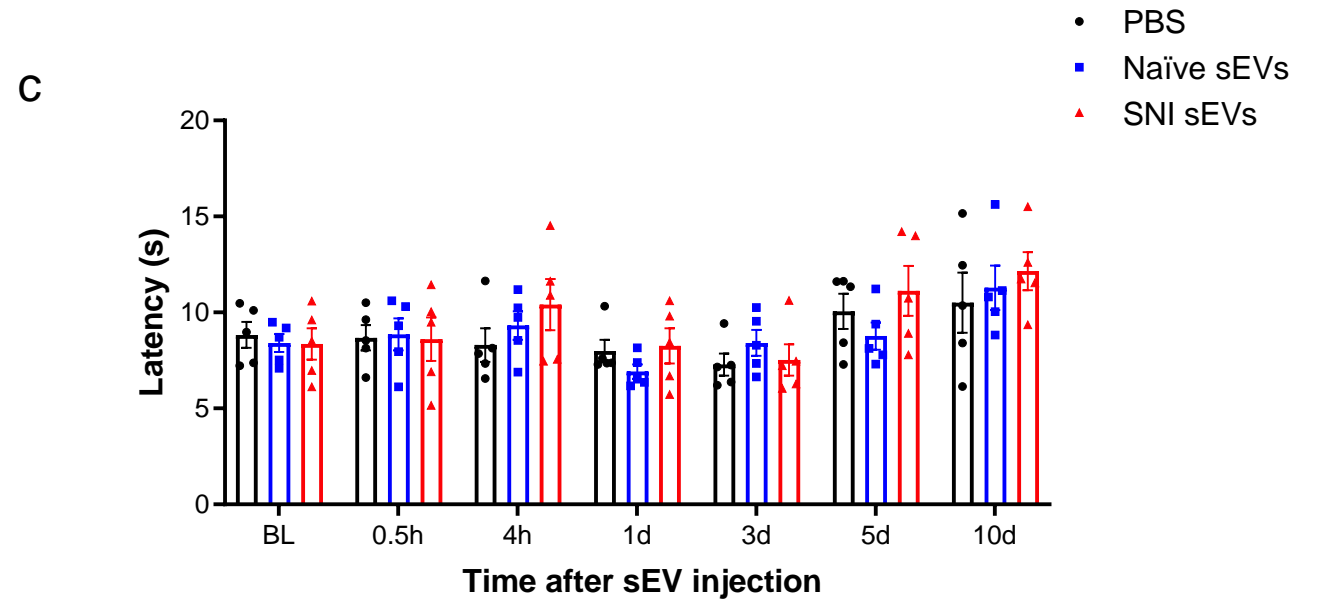
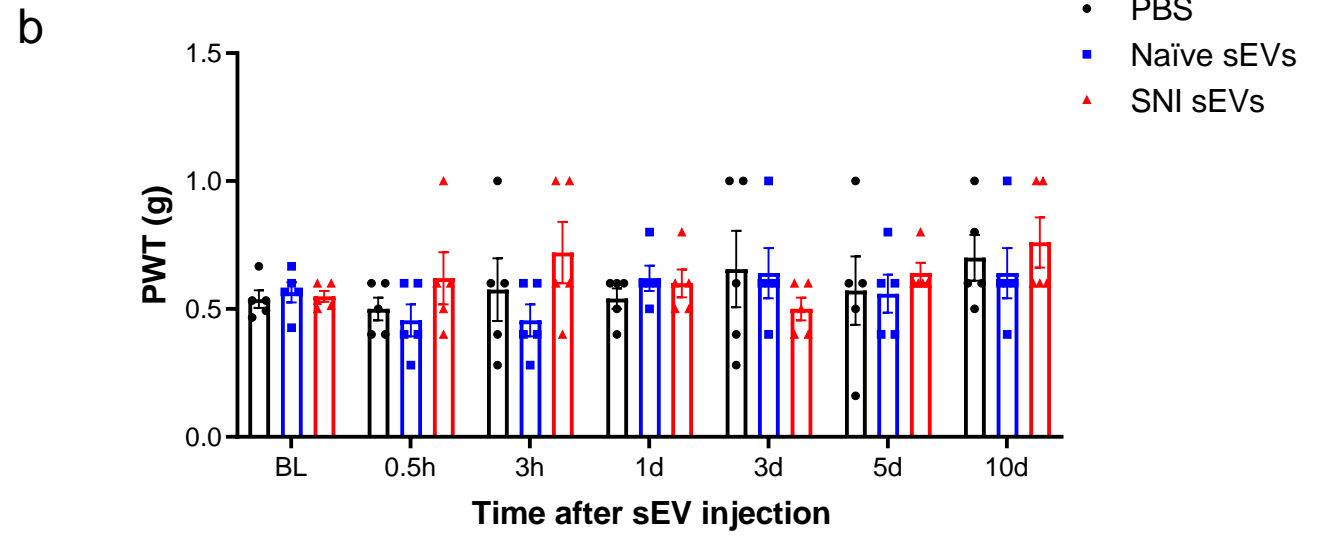
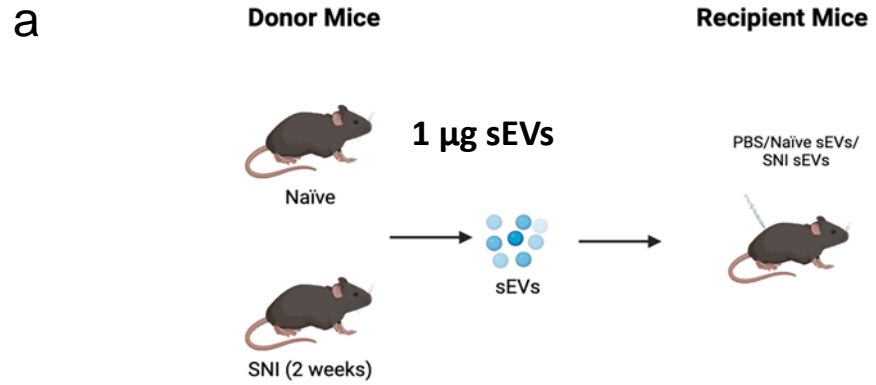
PKH26 sEVs



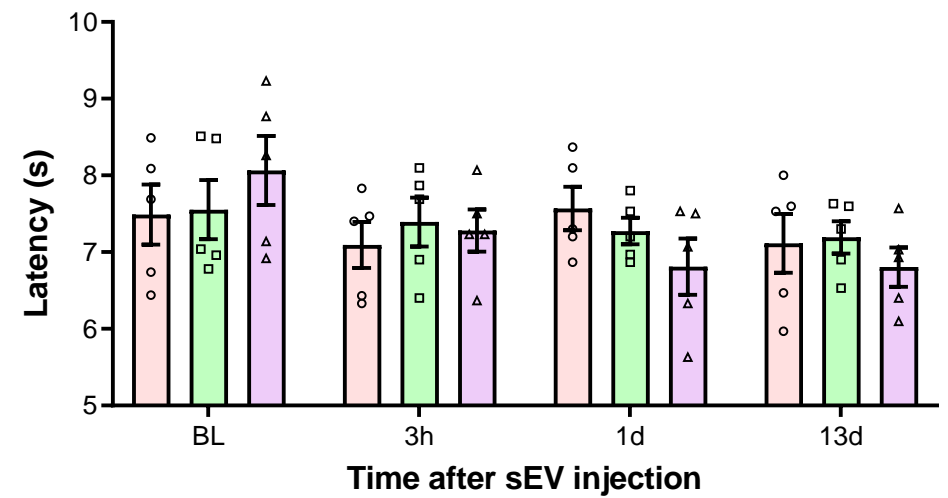
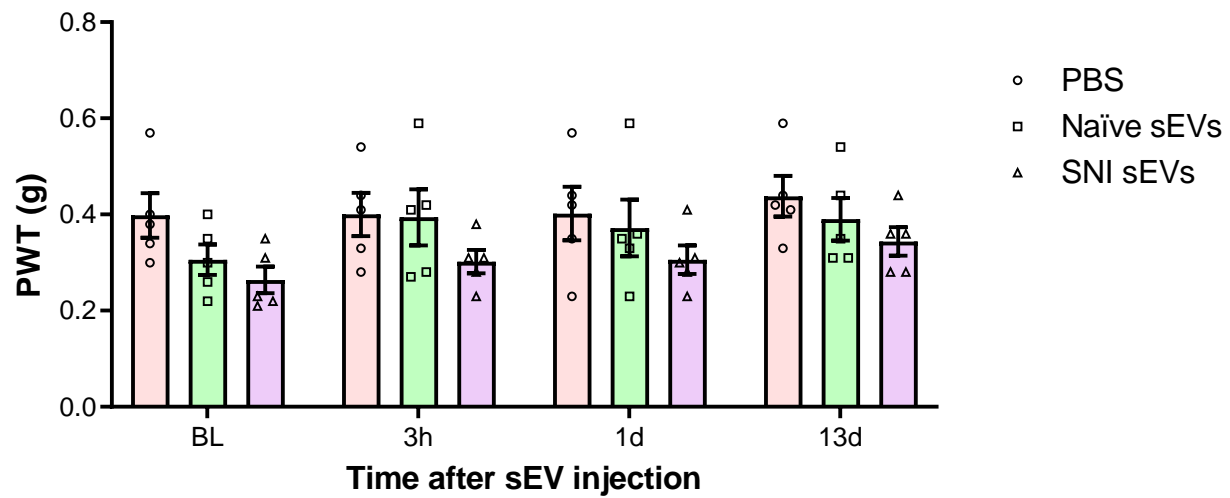
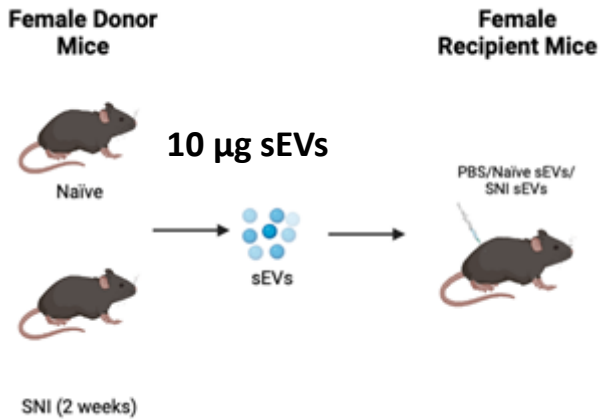
Merge



Supplementary Fig. 2

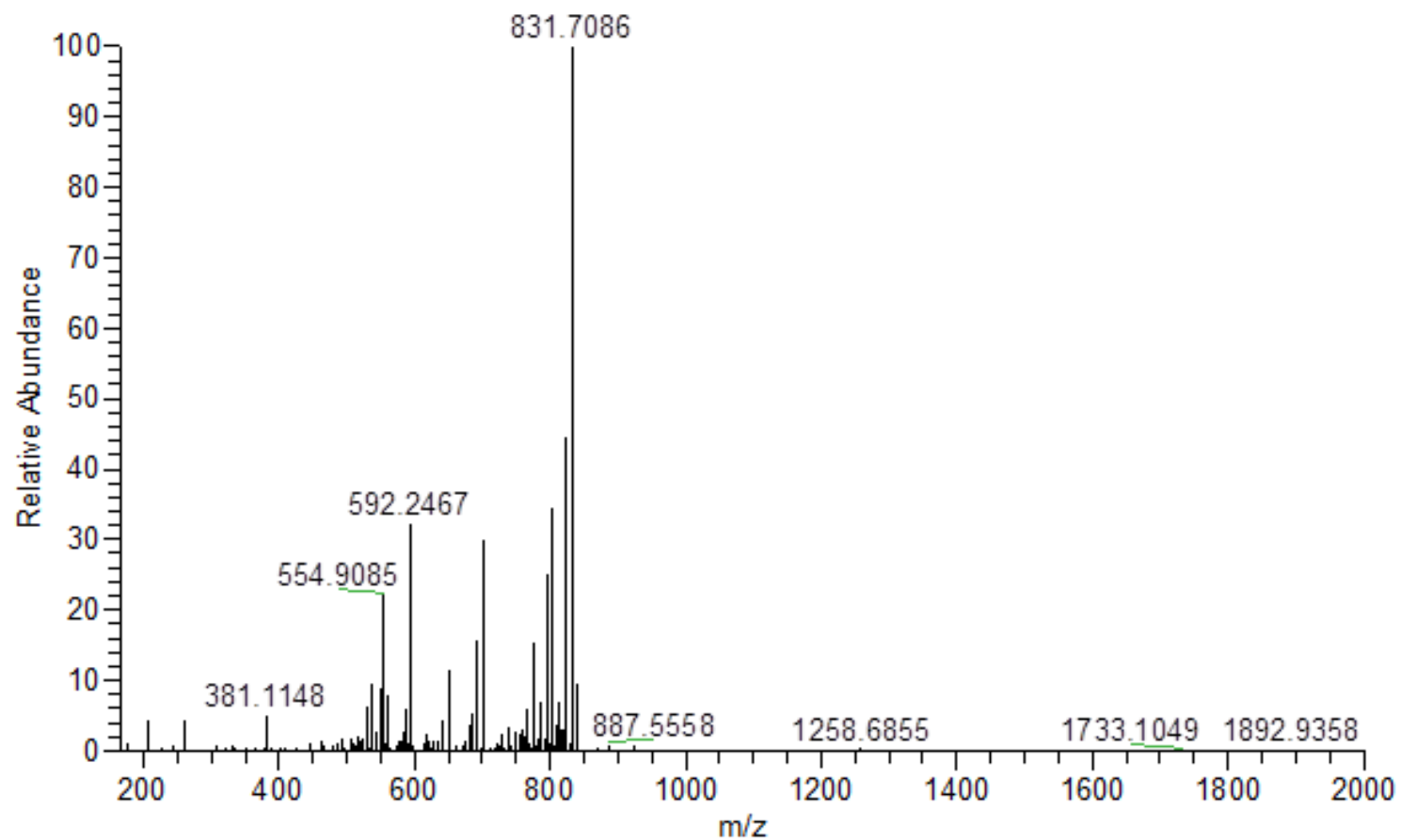


Supplementary Fig. 3

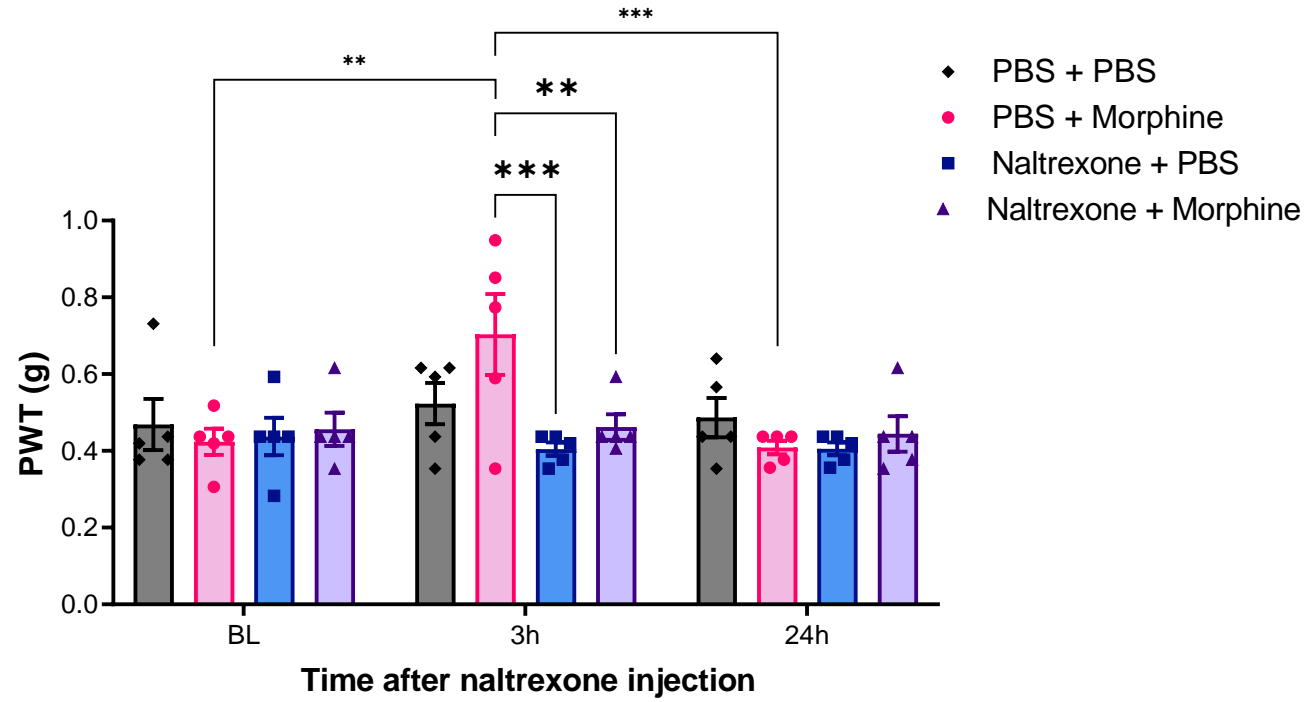
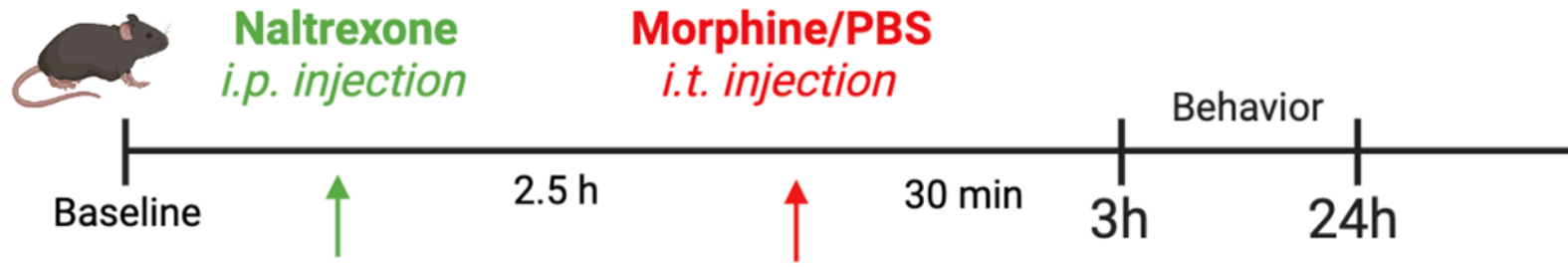


Supplementary Fig. 4

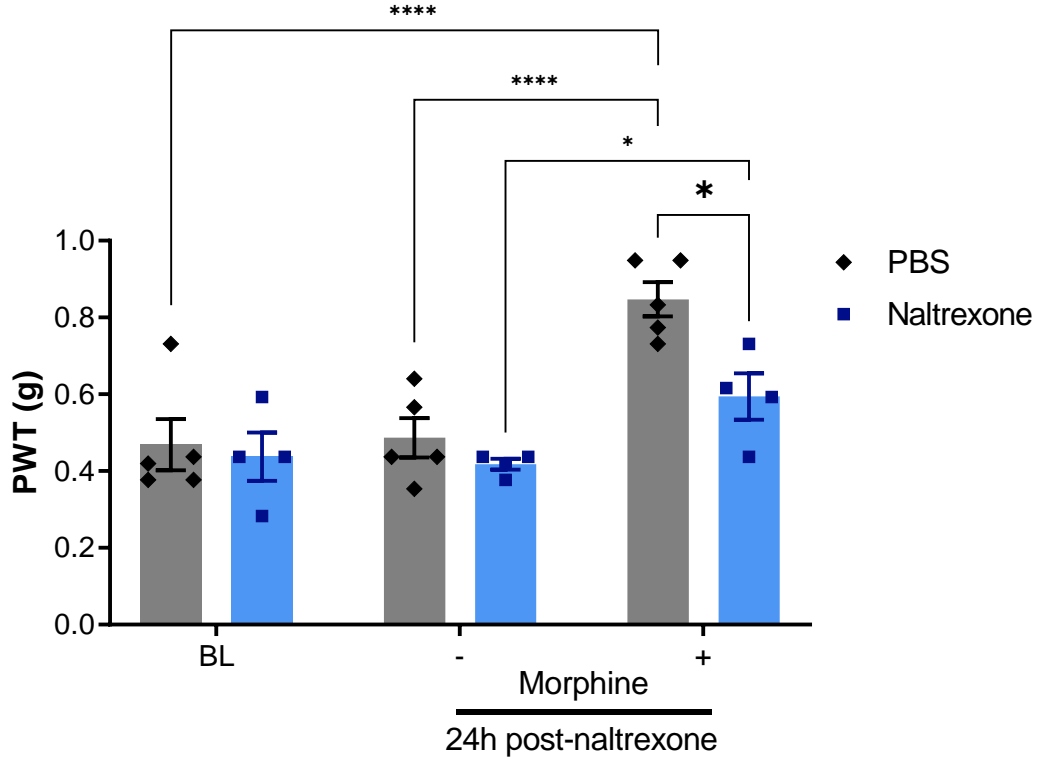
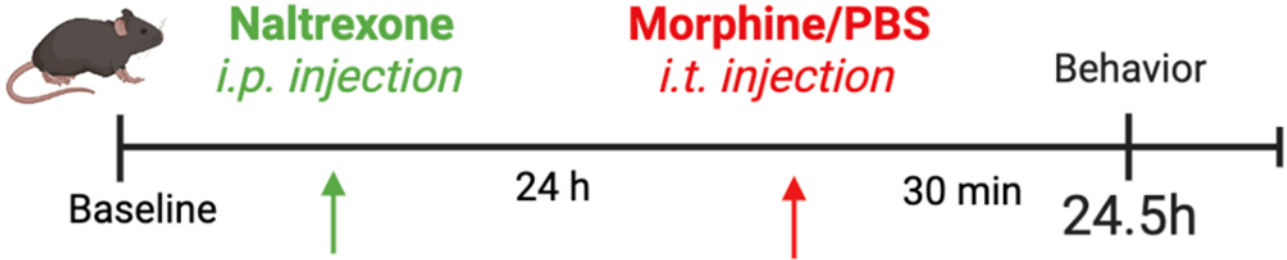
a



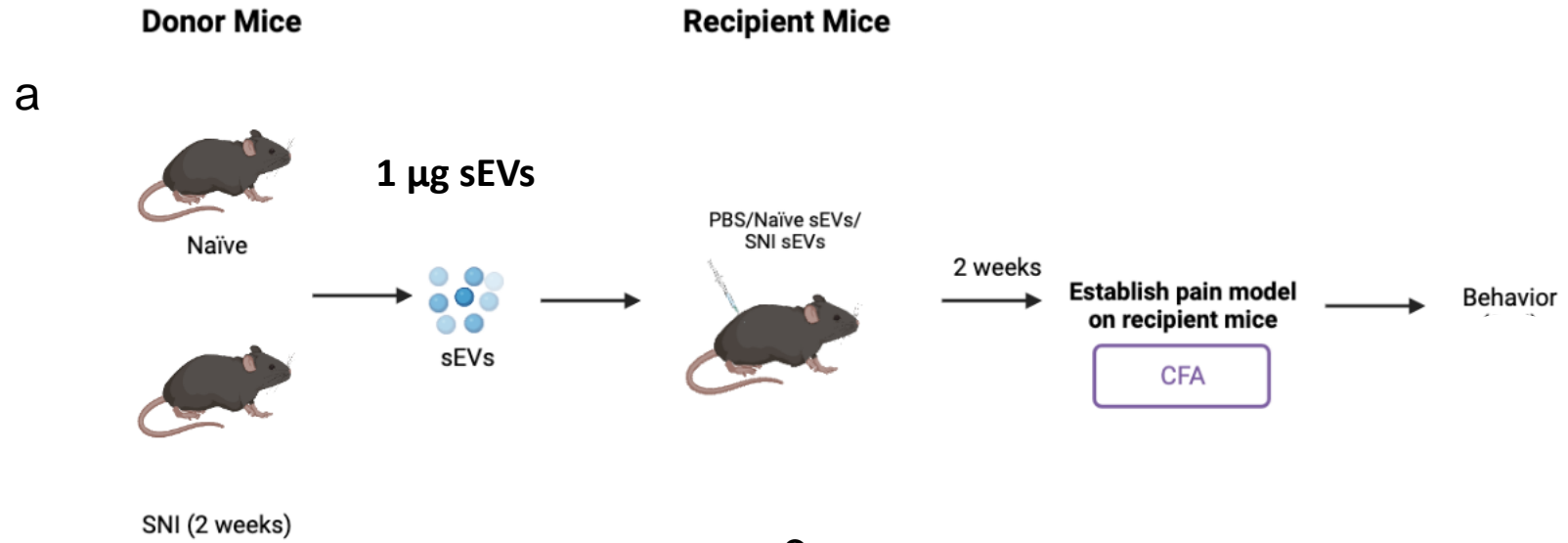
Supplementary Fig. 5a



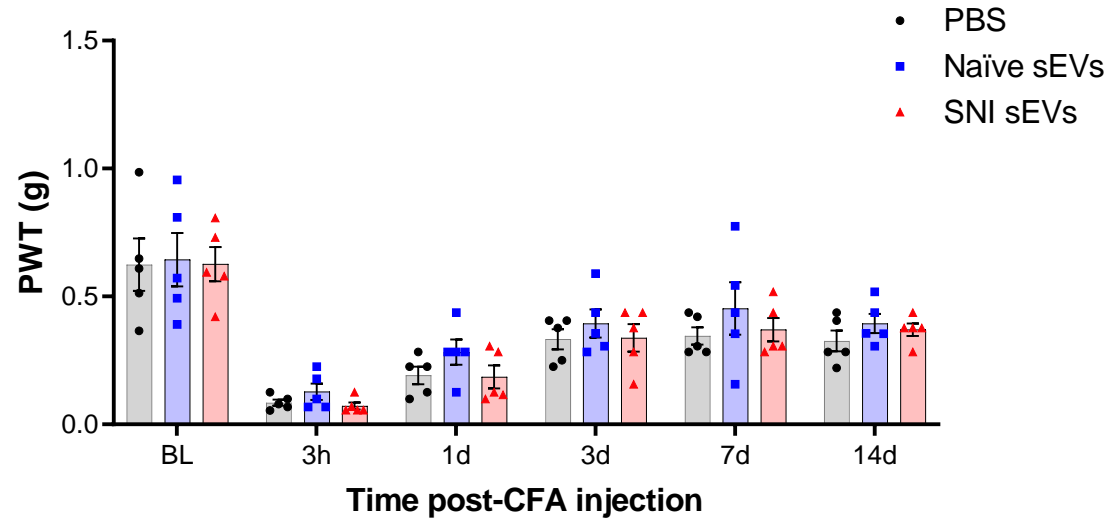
Supplementary Fig. 5b



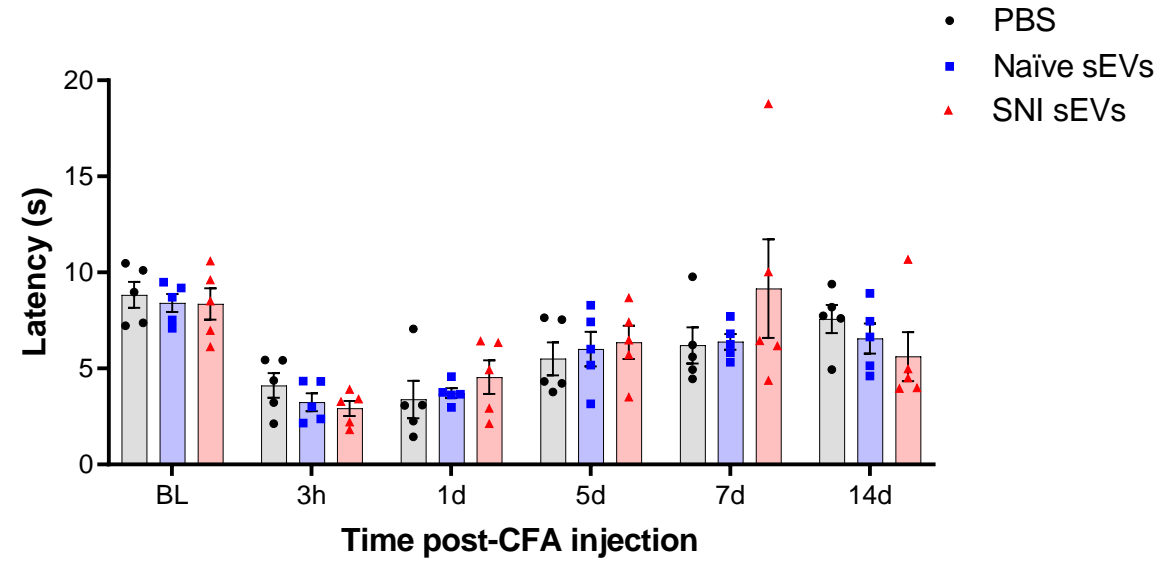
Supplementary Fig. 6



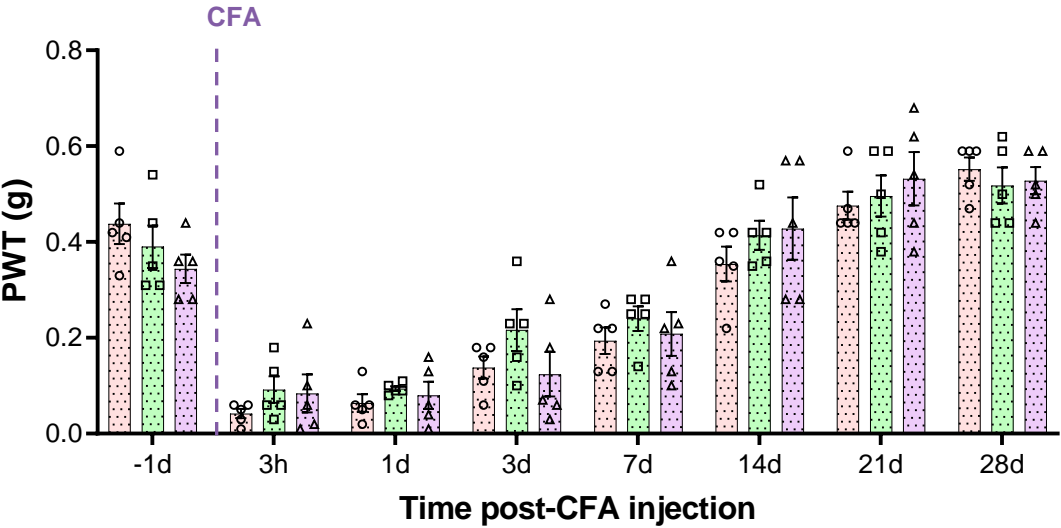
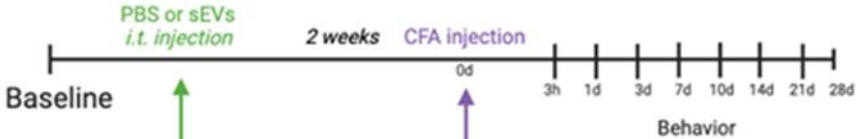
b



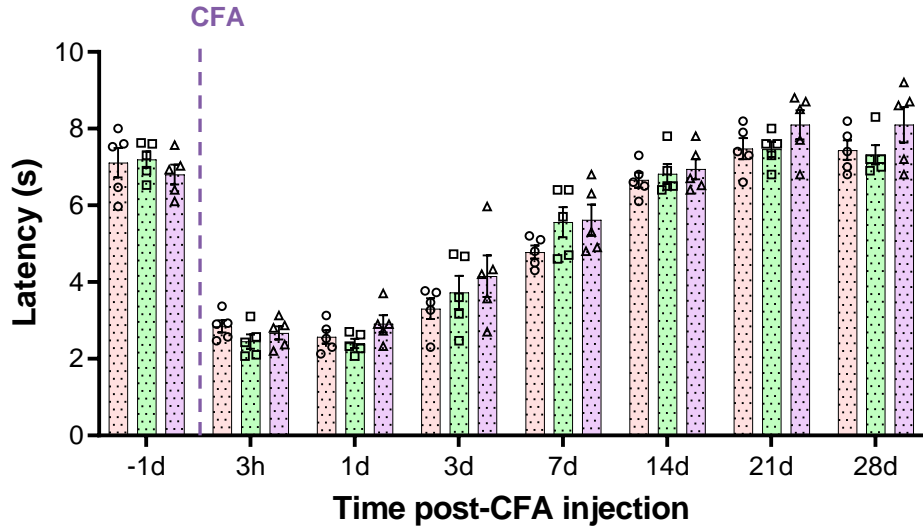
c



Supplementary Fig. 7

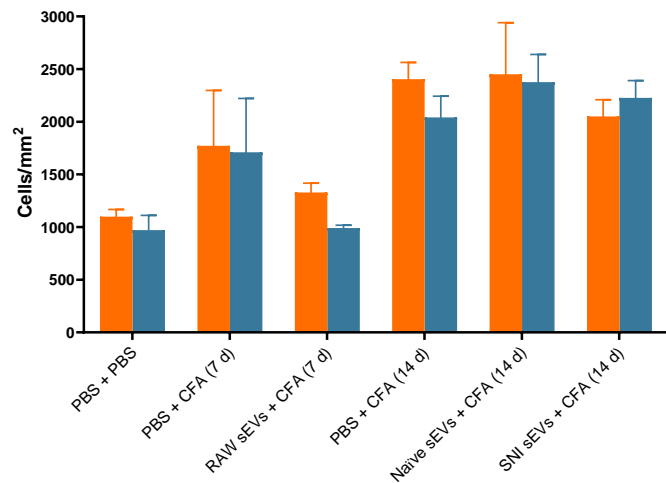


- PBS
- Naive sEVs
- △ SNI sEVs



Supplementary Fig. 8

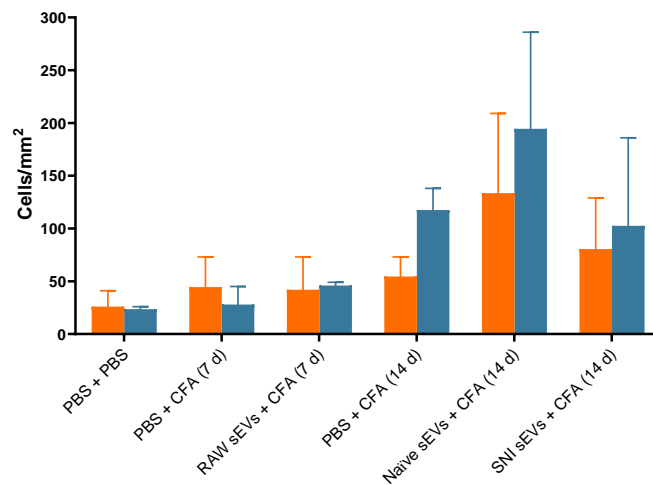
Total cells



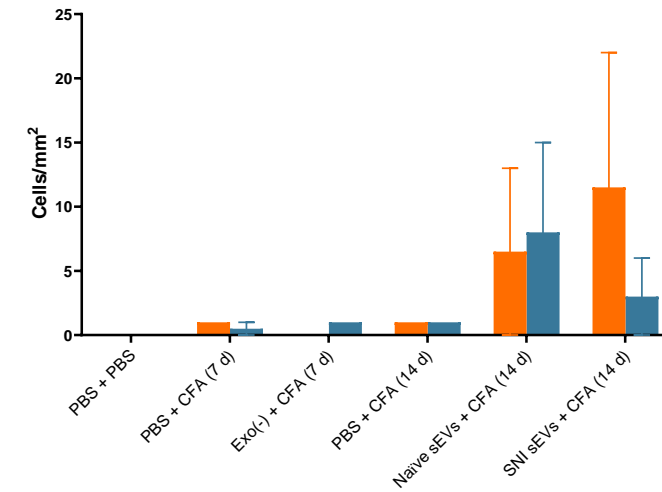
SC ipsi/contra

Ipsi
Contra

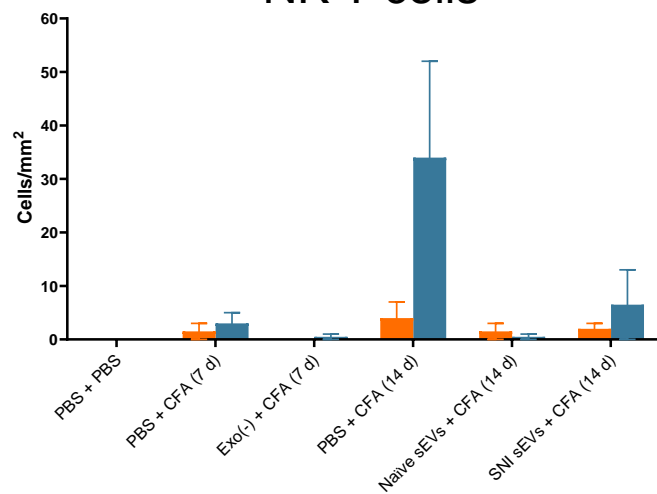
Immune cells



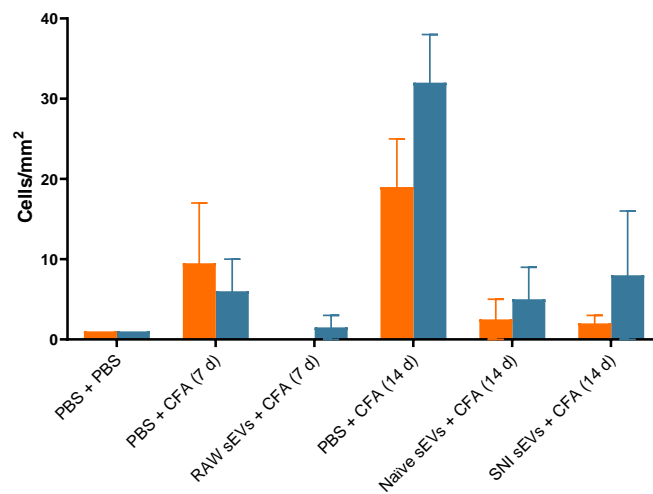
T cells



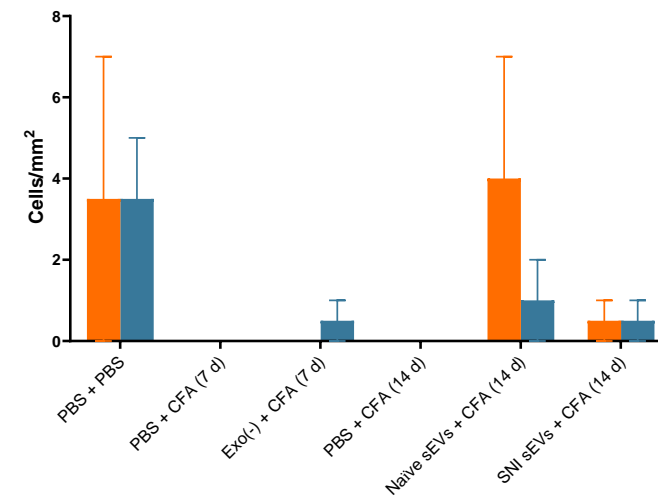
NK T cells



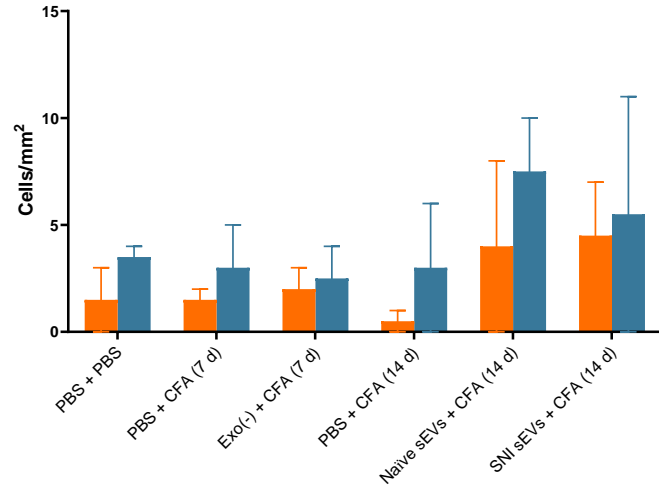
NK cells



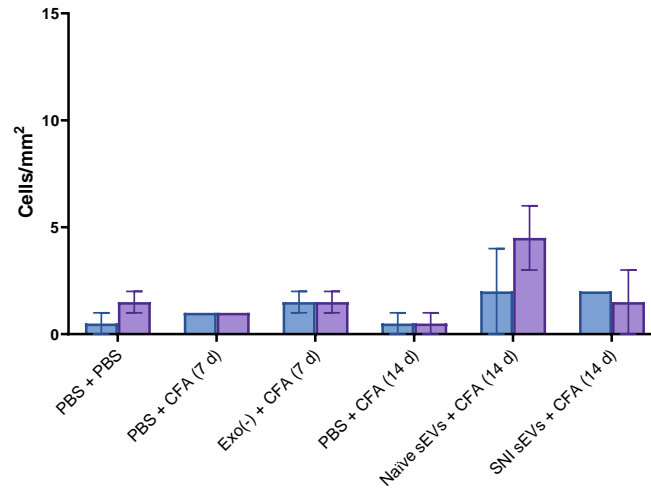
B cells



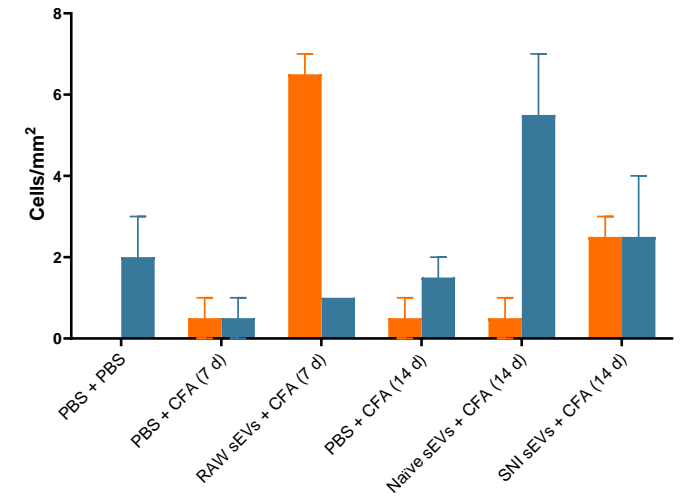
Macrophages



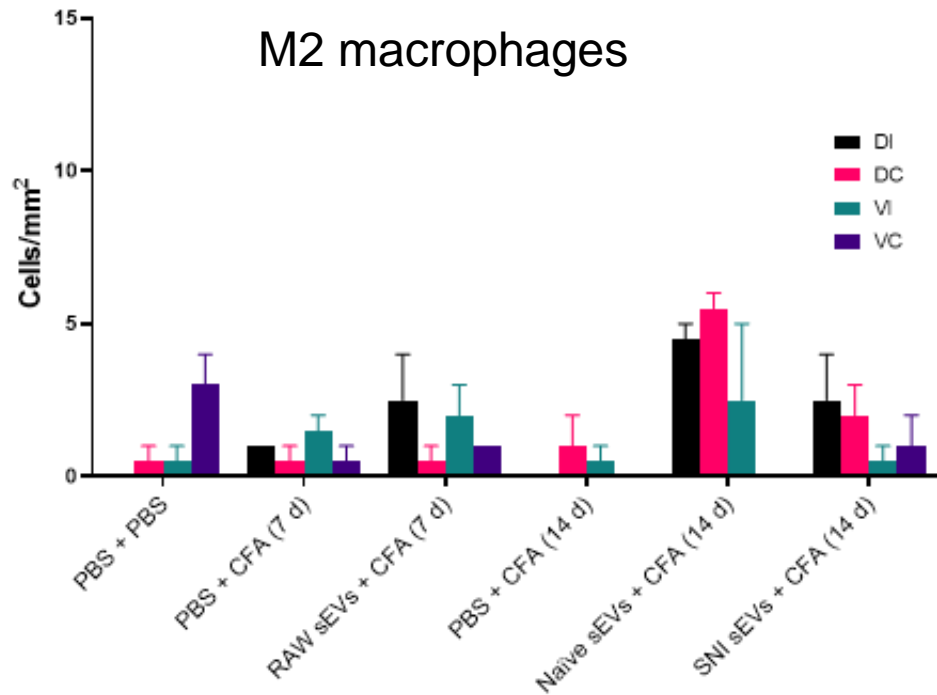
M2 macrophages



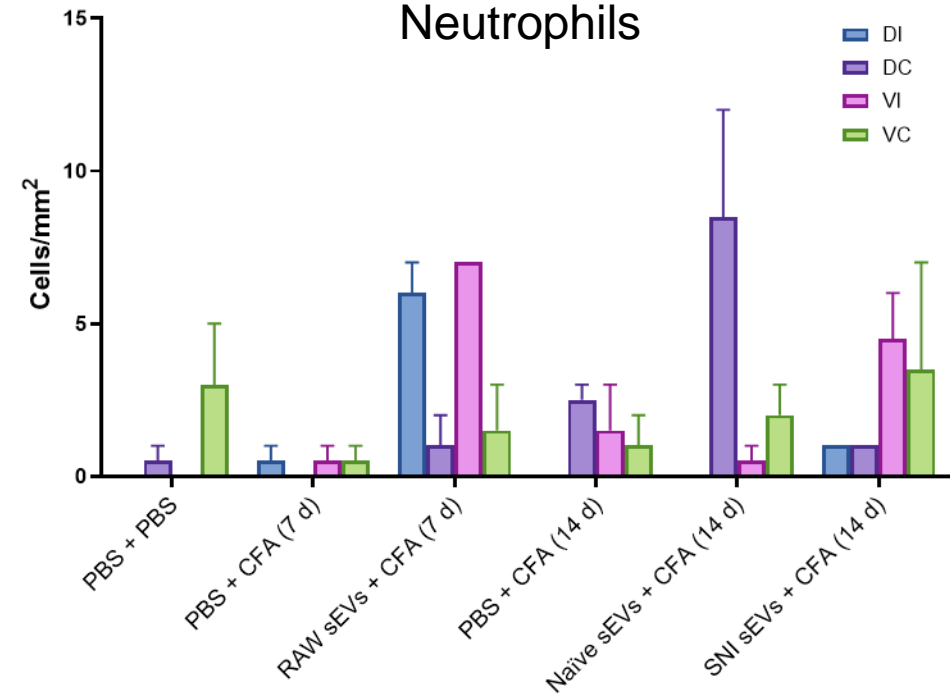
Neutrophils

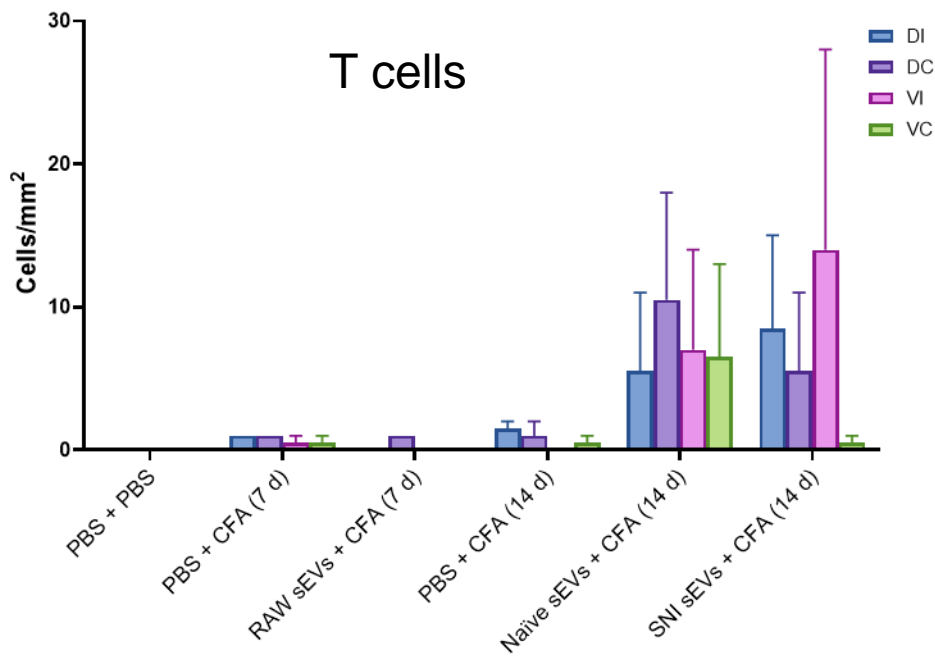
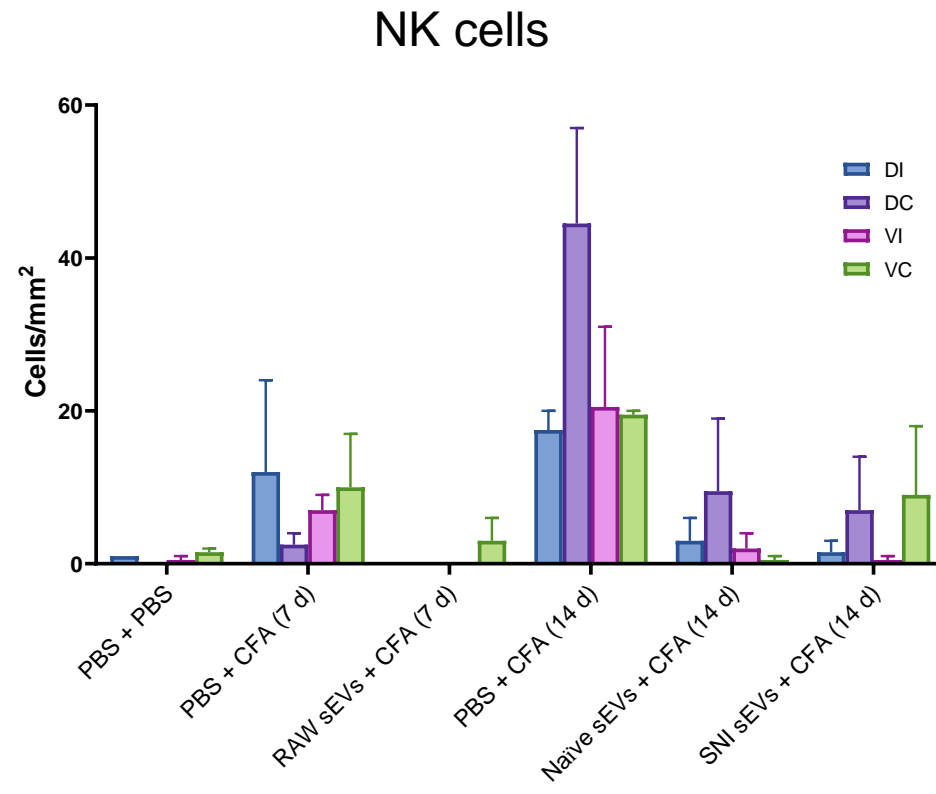
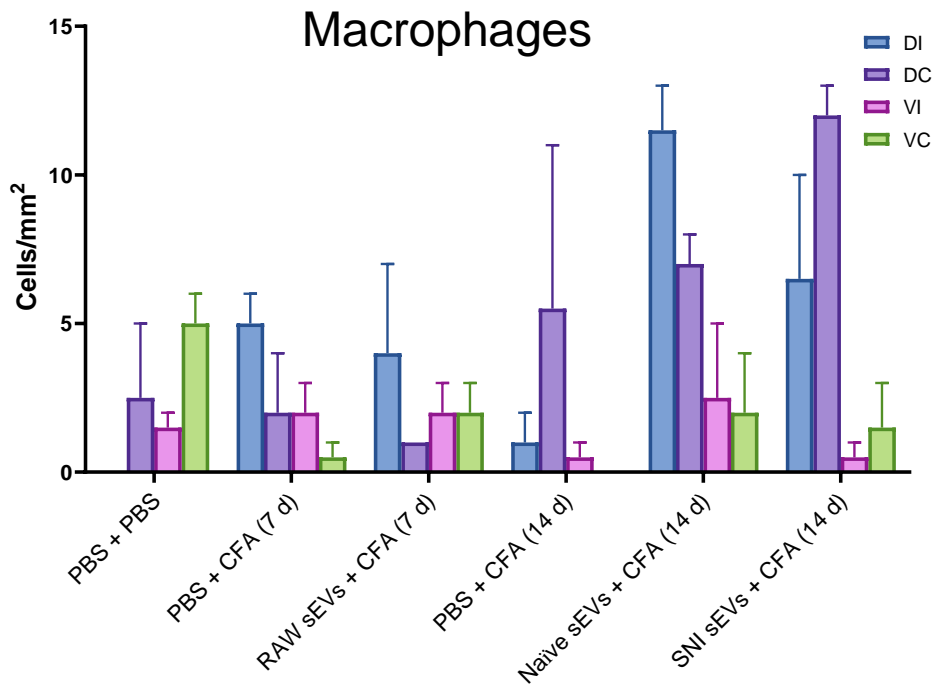


M2 macrophages

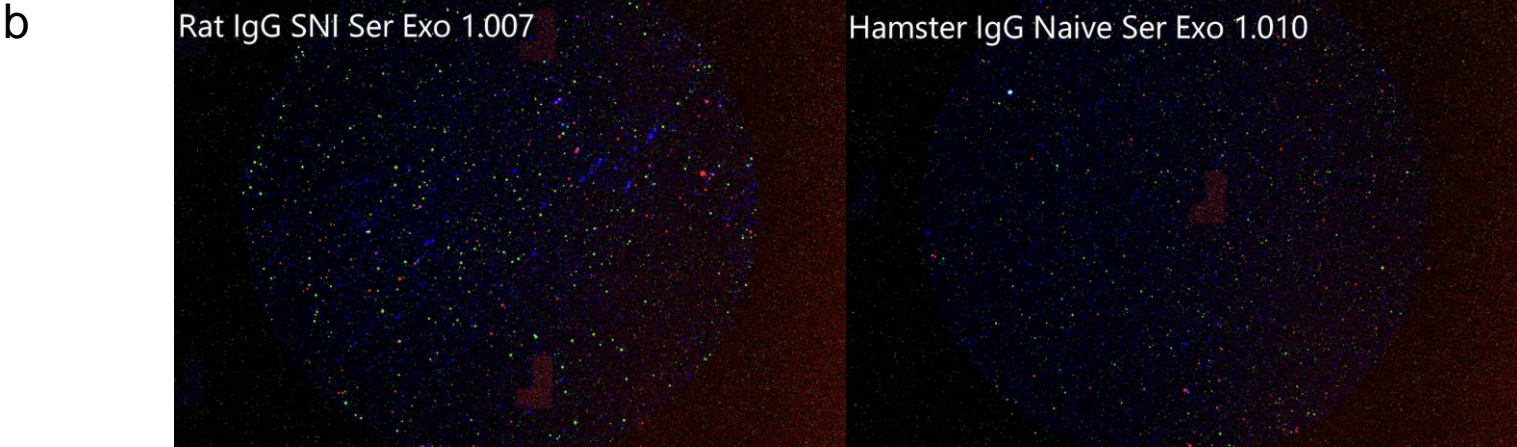
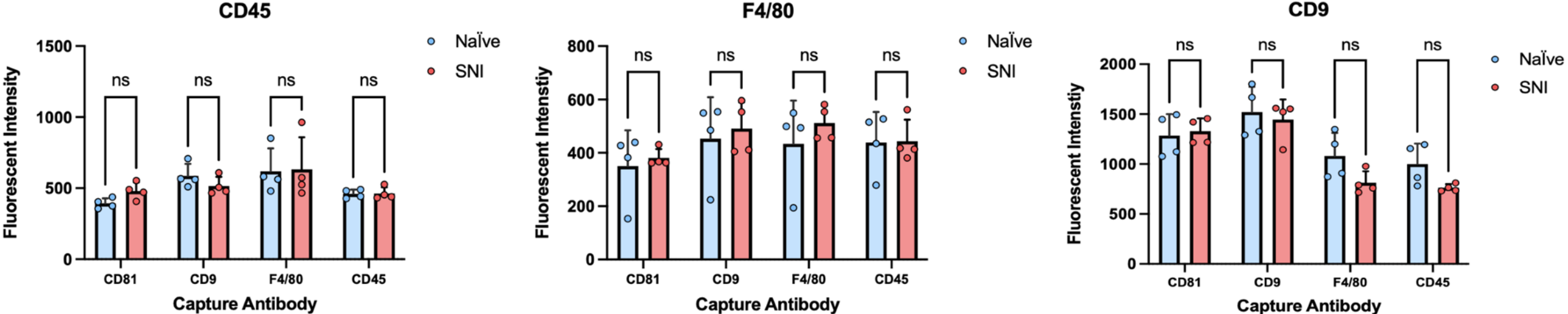


Neutrophils





a **Detector antibody fluorescence intensity**



Supplementary Fig. 10

