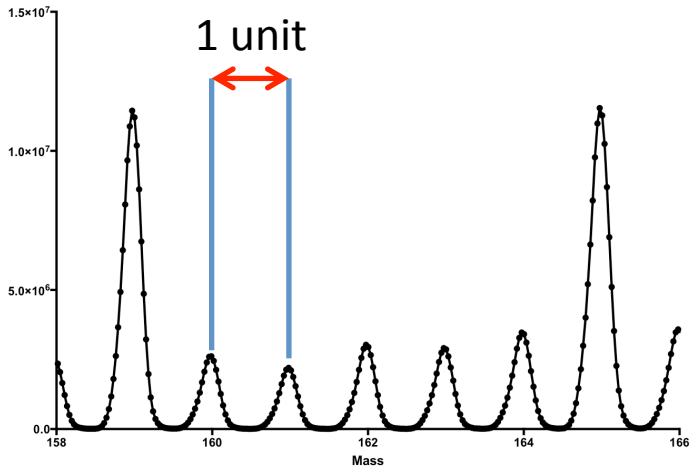
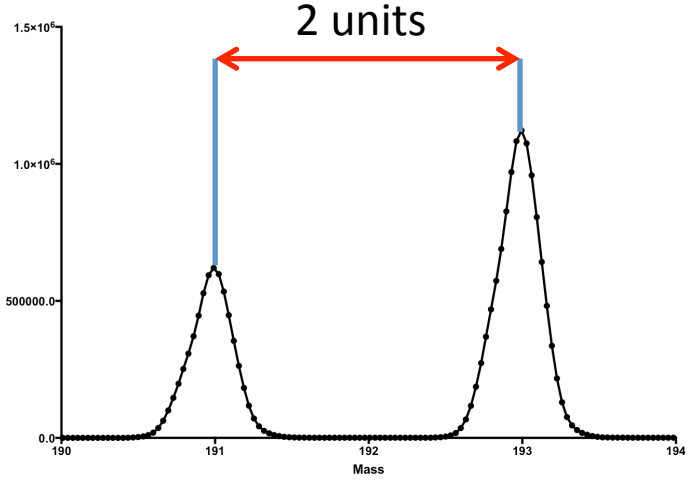
Mass-Resolution of the TOF

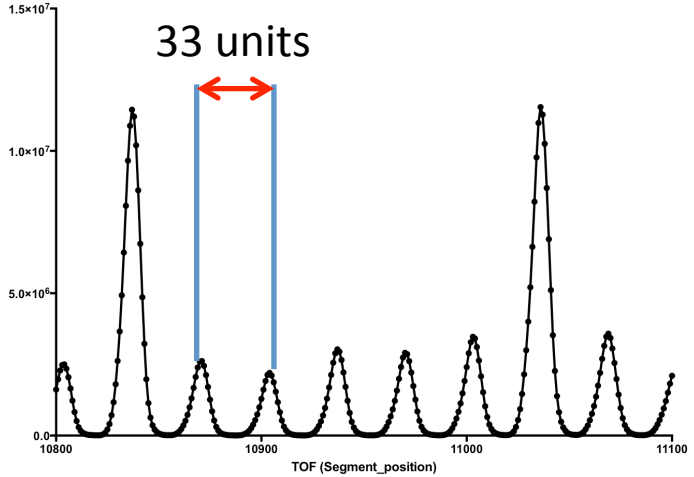
Signal Intensity

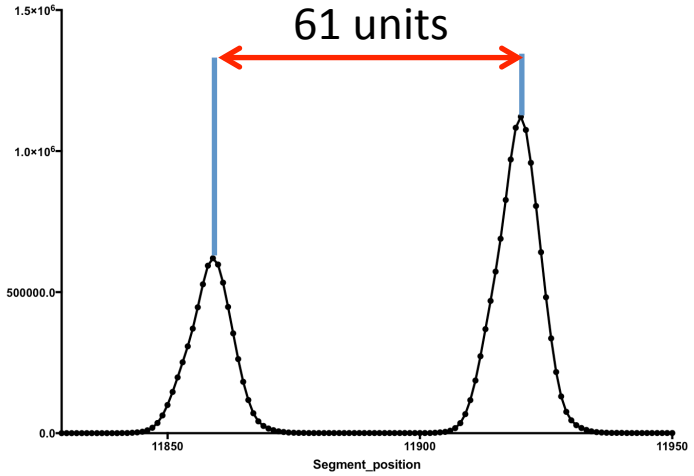
Mass Scale





TOF Scale

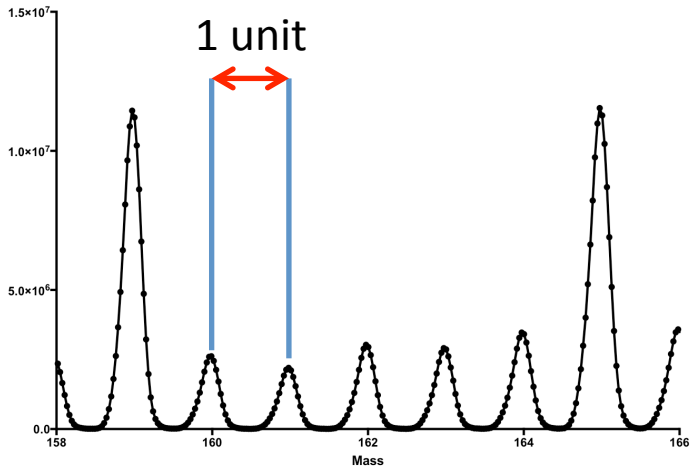


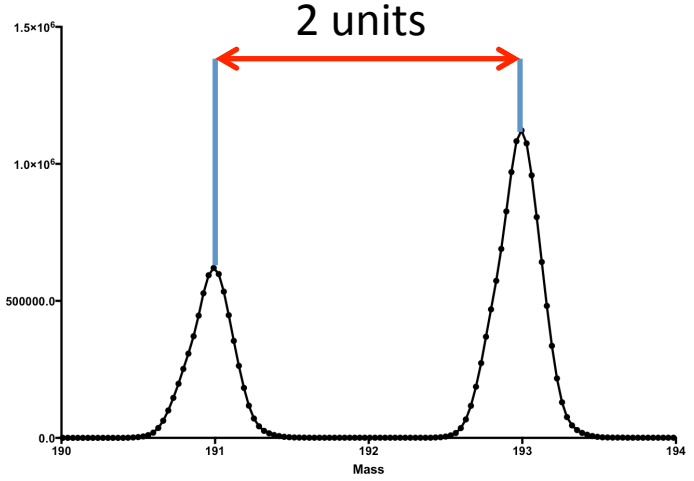


Mass-Resolution of the TOF

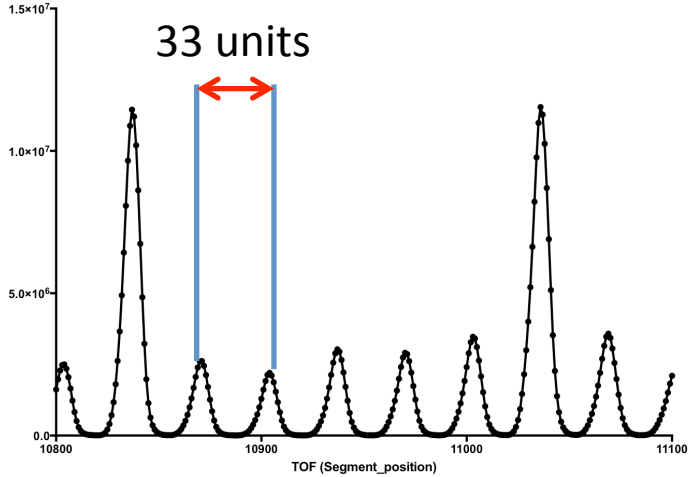
Signal Intensity

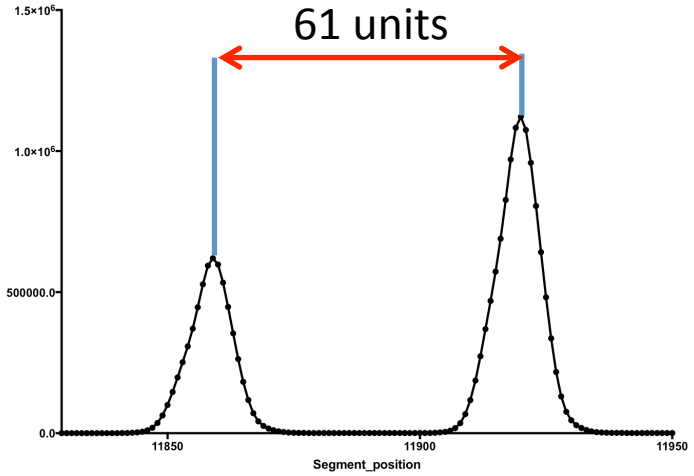
Mass Scale





TOF Scale

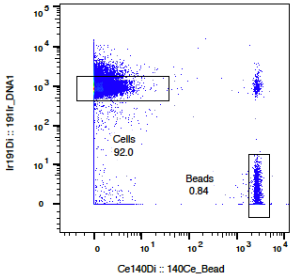


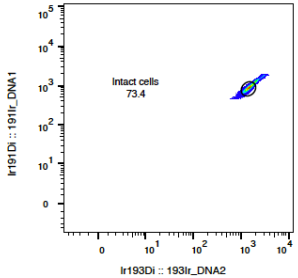


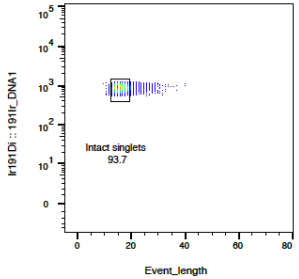
“Right Leg” Spillover – Ir193 into Pt194

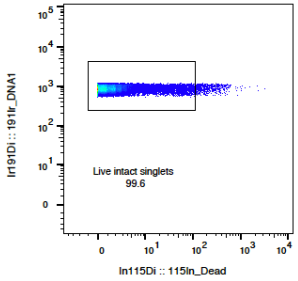
- 194 spillover correlates with 193 signal intensity

191/193Ir ~10^3

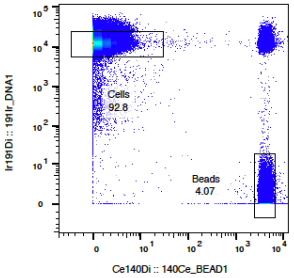


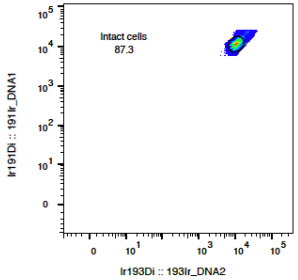


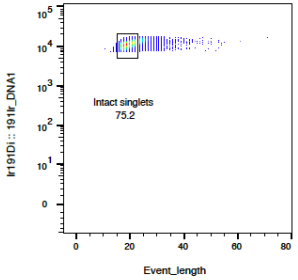


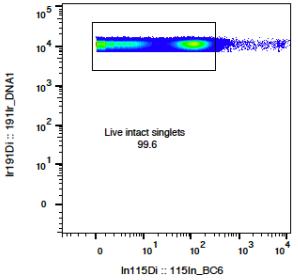


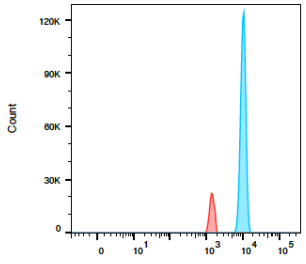
191/193Ir ~10^4



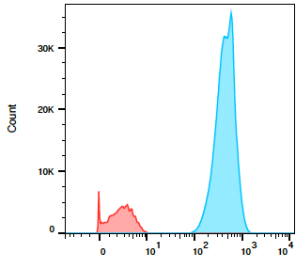








193Ir

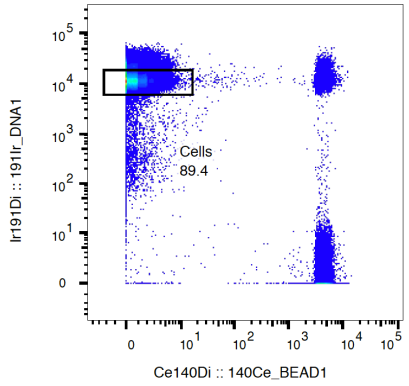


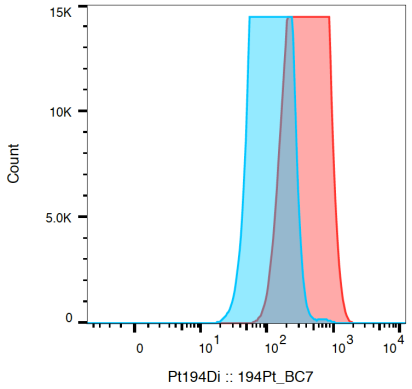
194Pt

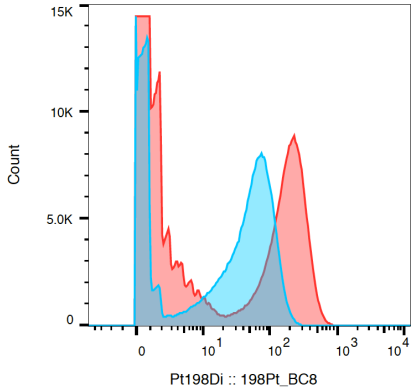
“Right Leg” Spillover – Ir193 into Pt194

- CD45 barcoding of live cells; Pt194 used
  - No Ir194 or Pt193 in nature

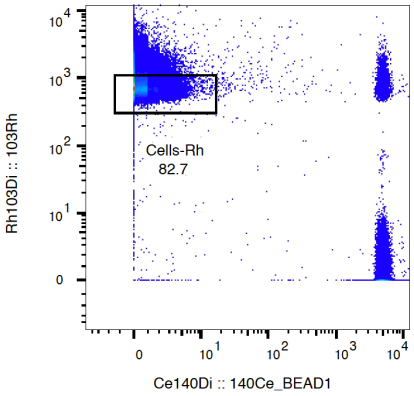
Ir191/193 intercalator

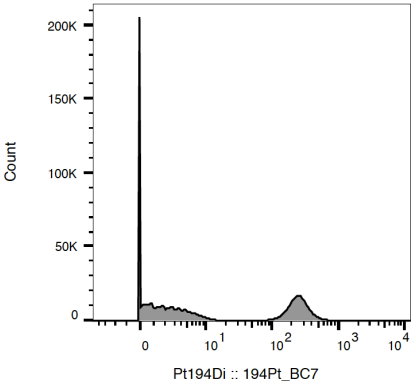


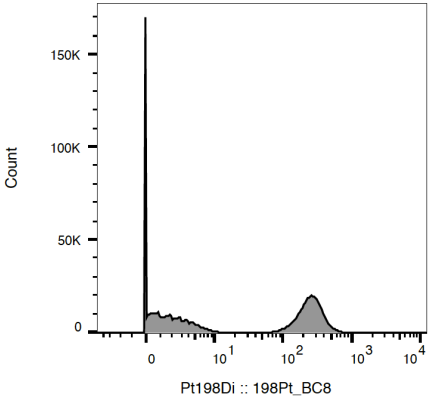




Rh103 intercalator

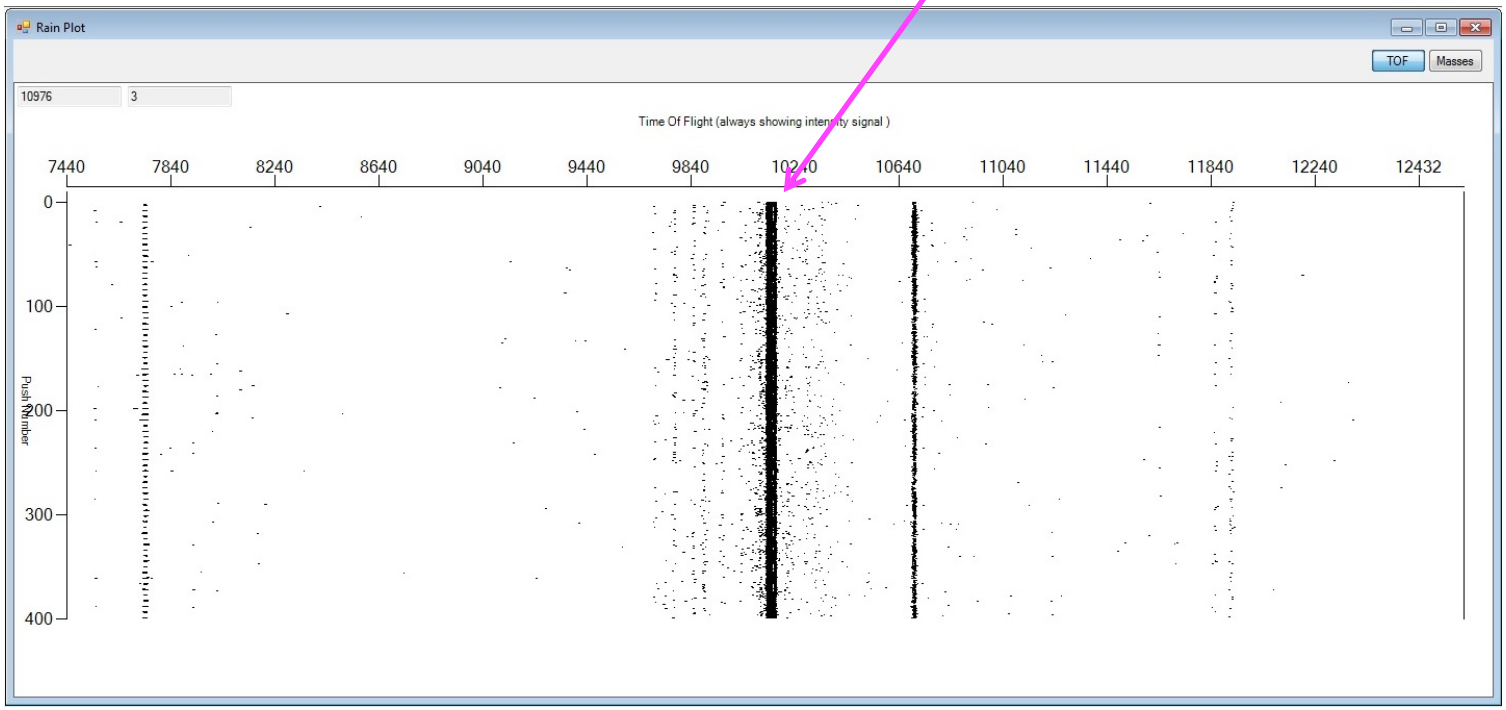






TOF View vs Masses/Panel View – Surprise La139 Contamination

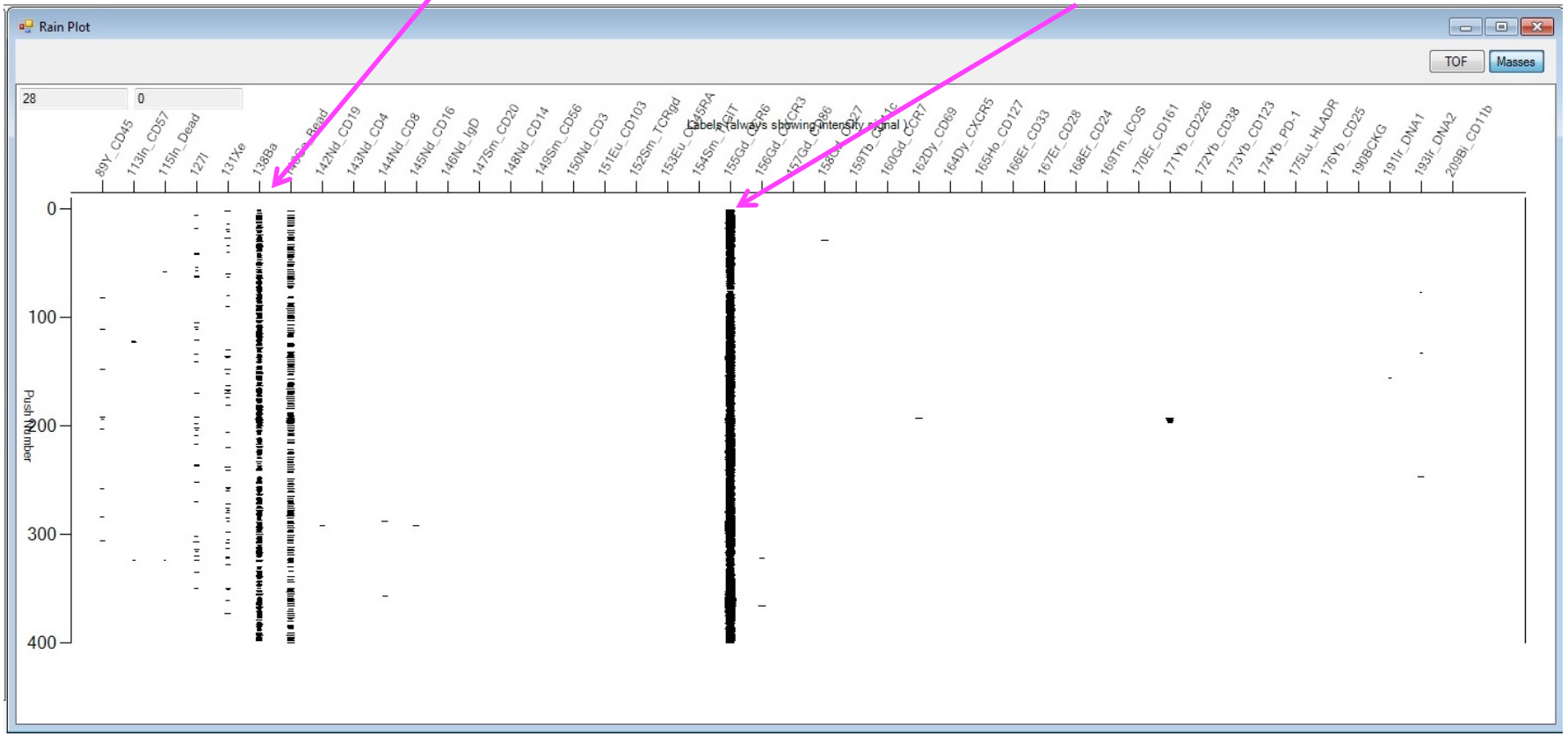
La139 contamination in sample



TOF View vs Masses/Panel View – Surprise La139 Contamination

No La139 in panel

“Gd155” = La139 + O16



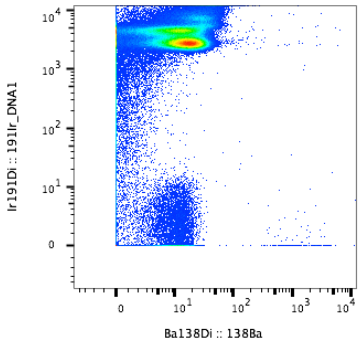
- Cannot see in Masses view unless in panel
  - also not written to FCS, but spillovers might be…..

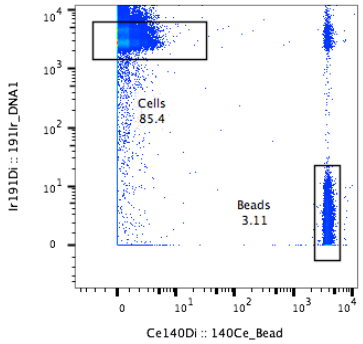
TOF View vs Masses/Panel View – Surprise La139 Contamination

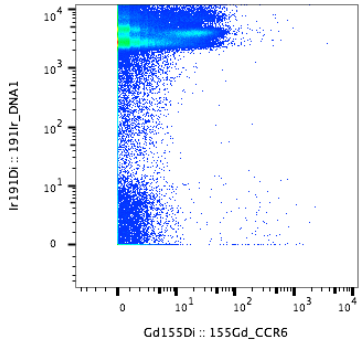
"M-1"
Ba138

"M+1"
Ce140

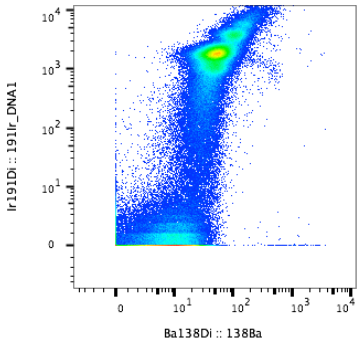
"M+16"
Gd155

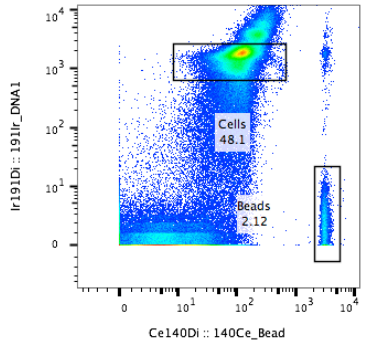


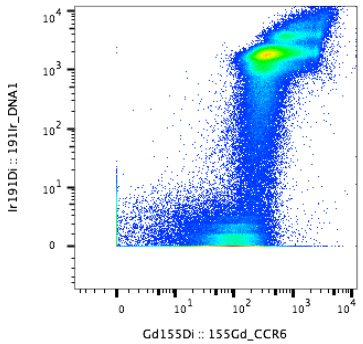




Normal Sample







La139 Sample