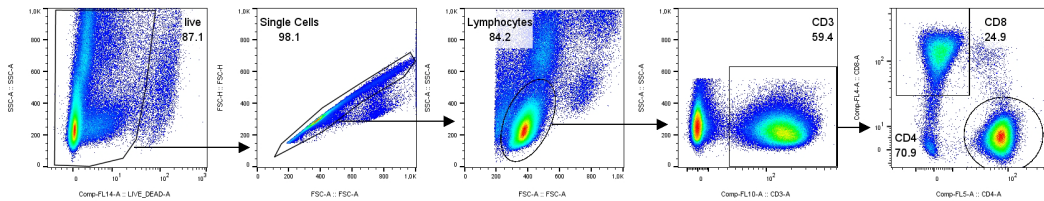
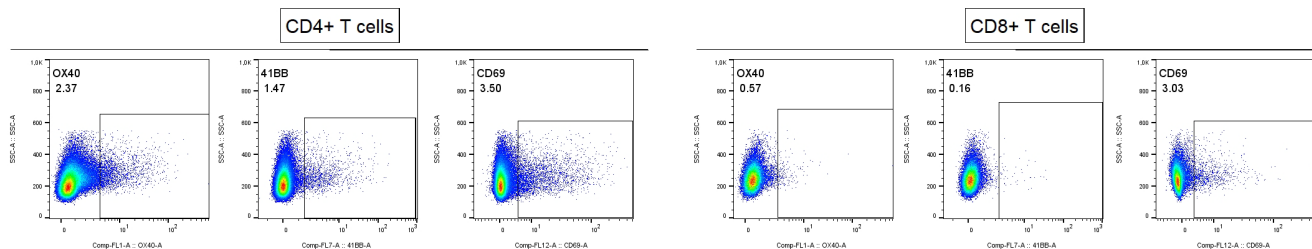


(a)



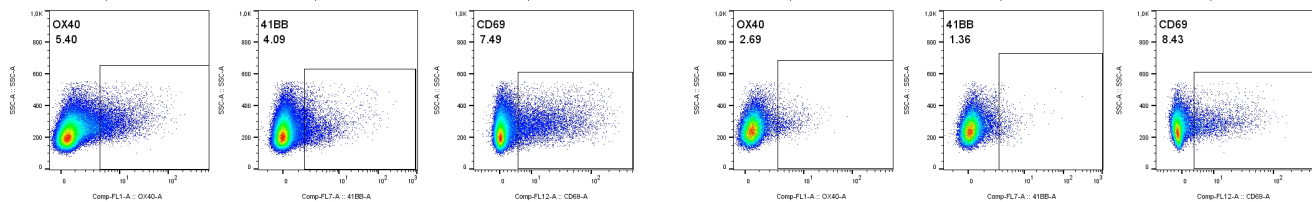
(b)

DMSO (NEG)

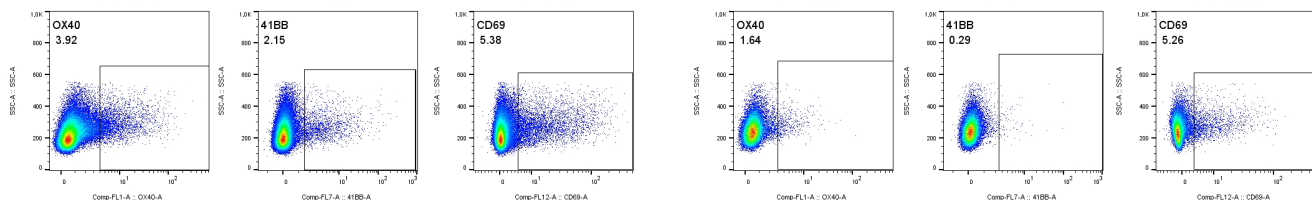


(c)

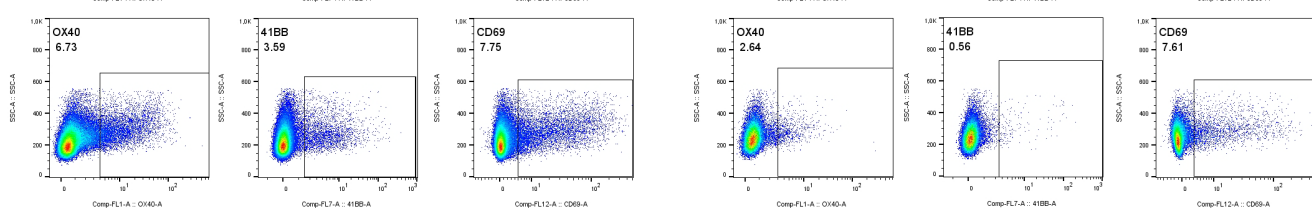
Spike peptide large pool



Spike peptide small pool



Non-spike peptide pool



(d)

CD4+ T cells: Boolean combination gates

	41BB+CD69+ OX40+	41BB+CD69+ OX40-	41BB+CD69- OX40+	41BB-CD69+ OX40+
DMSO	0-25	0-065	0-35	0-76
Spike - large	0-53	0-2	0-75	2-25
Spike - small	0-39	0-076	0-65	1-51
Non - spike	0-86	0-13	1-13	2-91

CD8+ T cells: Boolean combination gates

	41BB+CD69+ OX40+	41BB+CD69+ OX40-	41BB+CD69- OX40+	41BB-CD69+ OX40+
DMSO	0-019	0-052	0-0032	0-071
Spike - large	0-091	0-39	0-038	0-93
Spike - small	0-041	0-14	0-01	0-45
Non - spike	0-11	0-31	0-0036	0-8