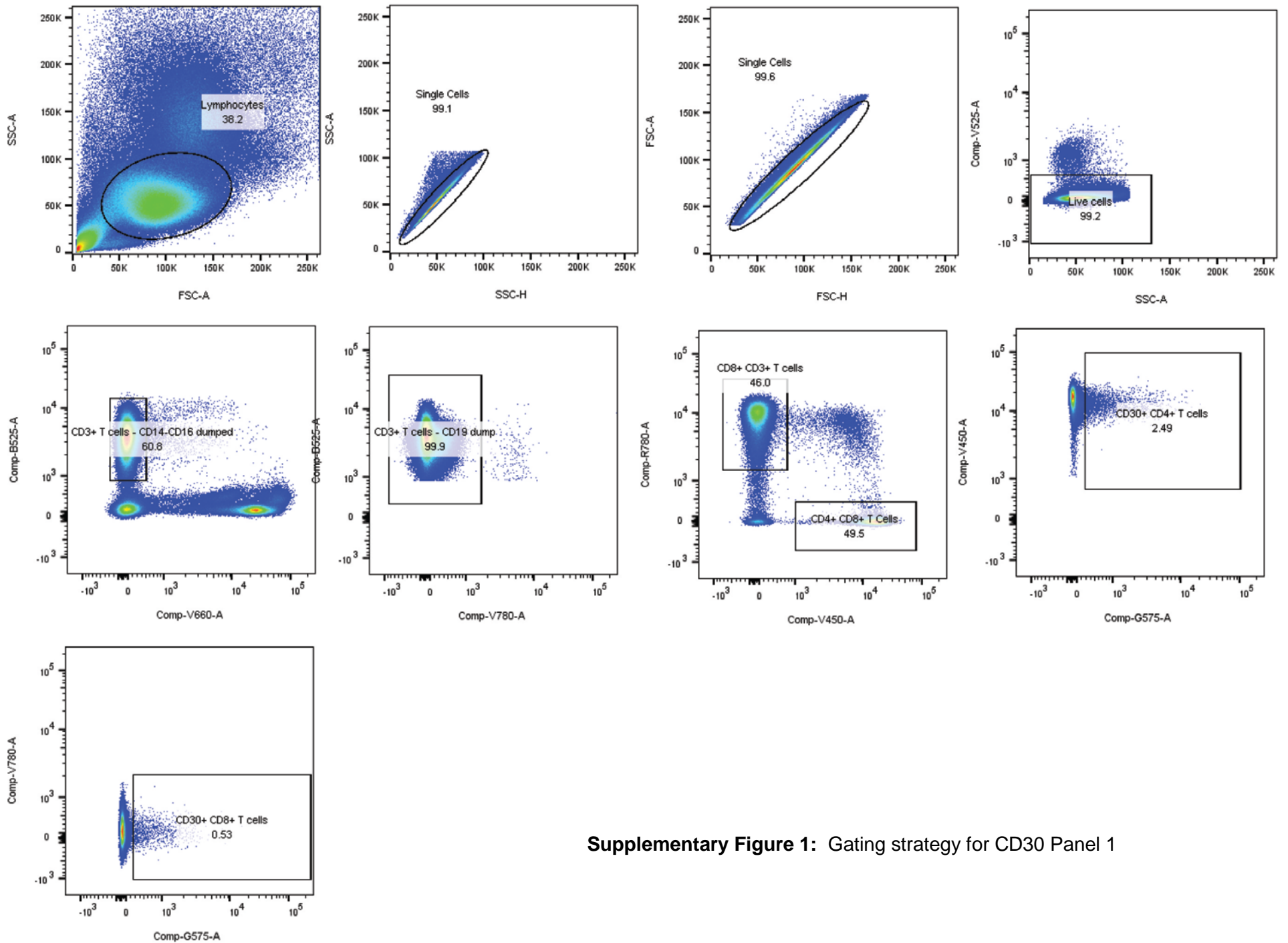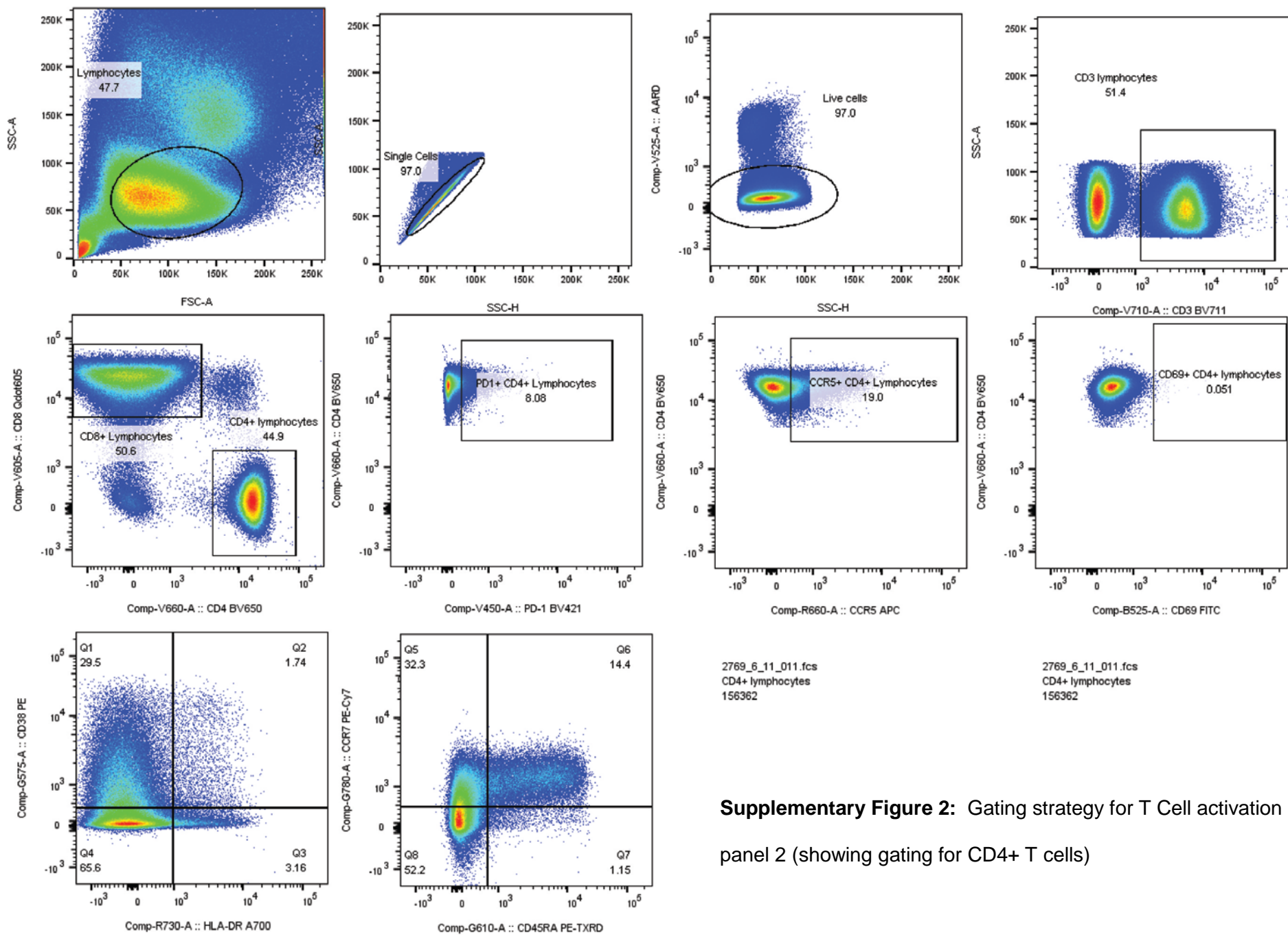**Supplementary Materials:**

Flow cytometric methods: Cryopreserved PBMC were thawed rapidly, washed twice with phosphate-buffered saline containing 2% heat-inactivated fetal bovine serum. The cells were stained with Guava ViaCount and counted on a Beckman Coulter CytoFlex instrument. A minimum of 1 million PBMC were stained for the first panel containing naïve and memory markers and at least 2 million PBMC were stained to assess the frequencies of CD4+ T cells expressing CD30. Data from both panels were collected on a 4-laser BD LSR-II and data were analyzed using FlowJo 10.4.2 software.

Supplemental Table 1. Flow cytometry staining reagents.

Antibody	Fluorophore	Clone	Vendor
Panel 1 CD30 Frequency			
Dead Cells	Aqua Amine Reactive Dye	n/a	Life Technologies
CD3	FITC	UCHT1	BioLegend
CD4	Brilliant Violet 421	OKT4	BioLegend
CD8	APC-Cy7	HIT8a	BioLegend
CD14	Brilliant Violet 650	M5E2	BioLegend
CD16	Brilliant Violet 650	3G8	BioLegend
CD19	Brilliant Violet 786	HIB19	BioLegend
CD30	PE	BERH8	BD
CD32	APC	FUN-2	BioLegend
Panel 2 Naïve/Memory and Activation			
Dead Cells	Aqua Amine Reactive Dye	n/a	Life Technologies
CCR7	PE-Cy7	3D12	BD
CD3	Brilliant Violet 711	UCHT1	BD
CD38	PE	HB7	BD
CD4	Brilliant Violet 650	SK3	BD
CD45RA	PE-TexasRed	MEM-56	Life Technologies
CD69	FITC	L78	BD
CD8	Brilliant Violet 605	SK1	BD
HLA-DR	Alexa700	G46-6	BD
PD-1	Brilliant Violet 421	EH12.1	BD
CCR5	APC	J418F1	BioLegend

Supplementary Figure 1: Gating strategy for CD30 Panel 1

Supplementary Figure 2: Gating strategy for T Cell activation panel 2 (showing gating for CD4+ T cells)