

**Suppl Table 1 Humoral response: anti-WT1 IgG (EU/ml)**

Pat. No.	Prior to vacc.	After 2 vacc. / week 5	After 4 vacc. / week 9	After 6 vacc. / week 13	After 6 vacc. / week 15	After 8 vacc. / week 21	After 12 vacc. / week 32	After 13 vacc./ week 40	After 16 vacc. / week 54	After 17 vacc. / week 64	4 months after last vacc.
1	<7	<7									
2	<7	<7									<7
3	<7	<7	26	58	50	46					
4	<7	<7									
5	<7	<7	<7	<7		<7	<7	<7	<7	<7	

## Suppl Table 2 High-dimensional cytometry – surface staining

Fluorochrome	Antigen	Clone	Company
BUV395	CD45RA	HI100	BD
BUV563	CD27	M-T271	BD
BUV737	CD56	NCAM16.2	BD
BUV805	CD3	UCHT1	BD
BV510	CD3	OKT3	Biolegend
BV570	HLA-DR	L243	Biolegend
BV605	CD28	CD28.2	Biolegend
BV785	CCR7 (CD197)	G043H7	Biolegend
FITC	CD57	HNK-1	Biolegend
Spark Blue	CD4	SK3	Biolegend
PerCP	CD45	2D1	Biolegend
PerCP-eFluor710	KLRG1	13F12F2	ThermoScientific
PE-Cy5.5	CD19	SJ25C1	ThermoScientific
PE/Dazzle594	PD-1	EH12.2H7	Biolegend
PE-Cy7	CD25 (IL-2Ra)	M-A251	Biolegend
Spark NIR 685	CD127	A019D5	Biolegend
APC/Fire810	CD8	SK1	Biolegend

### Suppl Table 3 High-dimensional cytometry – intracellular staining

Fluorochrome	Antigen	Clone	Company
V450	IFNg	B27	BD
BV750	TNF	Mab11	BD
PerCP-Cy5.5	Perforin	B-D48	Biolegend
AF700	Granzyme B	GB11	BD