

SUPPLEMENTARY TABLE: Peripheral blood cell counts in breast cancer patients before and after the first course of AFTV vaccination.

Breast cancer patients (without bone metastasis) have been submitted for treatment with AFTV. After surgery, chemotherapy, and sufficient time to recover their immunological function, we quantified T-cell populations in the peripheral blood of 39 patients before and after the AFTV treatment. Among them, 32 patients exhibited a change in the delayed-type hypersensitivity response from negative to positive to the fixed carcinoma tissue fragments which were not including any immune adjuvant. We examined change of peripheral blood T-cell population in the 32 patients just before the first injection of AFTV and 2 weeks after the third injection of AFTV (the first course of AFTV treatment). The blood samples were collected individually from each patient. Regular flow cytometric analyses were performed for the T cell subtype counting. Regulatory T cells (Treg) were determined as % of CD4⁺CD25⁺FoxP3⁺ cells in CD4⁺ T cells.

Cell counts and ratios	(1) Before		(2) After		(3) After/Before ratio		For mean of (3)		P <
	mean	SD	mean	SD	mean	SD	lower limit	upper limit	
WBC/ μ L	5559 \pm	1503	5977 \pm	1309	1.10 \pm	0.18	1.02*	1.19*	0.01
Ly/ μ L	1873 \pm	565	2004 \pm	573	1.10 \pm	0.22	1.01	1.18	0.05
CD3 ⁺ T cells/ μ L	1224 \pm	426	1303 \pm	422	1.10 \pm	0.21	1.02	1.17	0.05
CD4 ⁺ T cells/ μ L	446 \pm	200	480 \pm	196	1.09 \pm	0.25	0.997	1.18	ns**
CD8 ⁺ T cells/ μ L	434 \pm	207	447 \pm	217	1.08 \pm	0.29	0.98	1.19	ns
Th1 (%) in CD4 ⁺ T cells	31.2 \pm	10.5	32.4 \pm	10.1	1.05 \pm	0.13	1.004	1.1	0.05
Th1/Th2	11.5 \pm	8.1	10.4 \pm	6.4	1.01 \pm	0.41	0.87	1.16	ns
Treg (%) in CD4 ⁺ T cells	7.21 \pm	1.84	6.8 \pm	1.93	0.95 \pm	0.18	0.89	1.02	ns
Th1/Treg	4.7 \pm	2.38	5.38 \pm	3.29	1.14 \pm	0.27	1.01*	1.27*	0.01
CD8 ⁺ T cells/Treg	15.2 \pm	6.8	16.4 \pm	10.4	1.06 \pm	0.27	0.96	1.15	ns

Bold figures indicate statistically significant difference from 1.00.

* CI, confidence interval. ** ns, not significant.