

S11 Table. Frequency (%) of CD4⁺CD25^{hi}CD127⁻FoxP3⁺ (Treg) cells expressing regulatory and activation markers in study participants divided into IgG4L and IgG4H groups according to their levels of BmA-specific IgG₄ antibodies.

Marker	Value for group (% of Treg cells)		P value
	IgG4L	IgG4H	
No. of subjects	52	24	
CD69 ⁺	3.17 (1.18-6.50)	3.32 (0.89-7.90)	0.350
CTLA-4 ⁺	0.40 (0.01-2.30)	0.94 (0.02-3.18)	0.542
CTLA-4 ⁺ intracellular	80.20 (68.90-90.30)	77.10 (65.90-87.60)	0.244
HLADR ⁺	30.60 (18.20-35.20)	26.65 (12.31-45.30)	0.117
PD1 ⁺	4.46 (1.53-8.80)	4.22 (1.90-7.30)	0.950
TNFR11 ⁺	45.40 (28.76-56.90)	42.25 (27.50-61.30)	0.972
GITR ⁺	0.65 (0.01-0.79)	0.33 (0.01-0.59)	0.058
LAG3 ⁺	0.15 (0.00-0.32)	0.14 (0.00-0.26)	0.718
LAP ⁺	7.17 (3.91-14.70)	6.10 (2.35-12.00)	0.470
OX40 ⁺	3.48 (1.63-6.33)	3.84 (1.86-5.54)	0.784
CD39 ⁺	59.90 (48.05-64.40)	68.2 (58.3-70.16)	0.022
CD39 ⁺ CD69 ⁺	3.09 (1.44-8.90)	3.42 (0.80-9.50)	0.395
CD39 ⁺ CTLA-4 ⁺	0.40 (0.01-1.31)	1.06 (0.10-1.52)	0.939
CD39 ⁺ intracellular CTLA-4 ⁺	84.00 (68.90-88.20)	83.90 (71.35-86.60)	0.766
CD39 ⁺ HLADR ⁺	35.10 (21.30-49.80)	32.45 (23.70-54.30)	0.595
CD39 ⁺ PD1 ⁺	3.50 (0.70-8.10)	3.76 (0.94-8.70)	0.603
CD39 ⁺ TNFR11 ⁺	46.10 (22.10-53.80)	45.75 (21.62-50.10)	0.814
CD39 ⁺ GITR ⁺	0.49 (0.01-0.98)	0.36 (0.00-0.52)	0.275
CD39 ⁺ LAG3 ⁺	0.13 (0.00-0.25)	0.13 (0.00-0.22)	0.757
CD39 ⁺ LAP ⁺	6.82 (1.18-13.10)	6.16 (2.10-12.40)	0.879
CD39 ⁺ OX40 ⁺	4.17 (1.71-6.82)	4.55 (2.01-6.76)	0.780
CD39 ⁻ CD69 ⁺	4.22 (1.53-11.30)	2.86 (0.45-9.40)	0.347
CD39 ⁻ CTLA4 ⁺	0.48 (0.00-2.86)	1.10 (0.12-1.99)	0.461
CD39 ⁻ intracellular CTLA-4 ⁺	65.05 (39.40-77.60)	64.20 (37.87-75.60)	0.355

CD39 ⁻ HLADR ⁺	16.30 (9.40-25.20)	11.30 (9.80-14.43)	0.127
CD39 ⁻ PD1 ⁺	7.83 (5.32-11.70)	5.70 (3.10-10.40)	0.141
CD39 ⁻ TNFR11 ⁺	35.85 (18.80-29.45)	30.30 (13.45-34.90)	0.076
CD39 ⁻ GITR ⁺	0.04 (0.00-0.51)	0.04 (0.00-1.56)	0.083
CD39 ⁻ LAG3 ⁺	0.00 (0.00-0.60)	0.00 (0.00-0.98)	0.380
CD39 ⁻ LAP ⁺	5.87 (2.24-13.50)	5.26 (1.76-10.50)	0.708
CD39 ⁻ OX40 ⁺	2.54 (0.78-8.20)	2.93 (1.21-9.10)	0.582

Data are presented as medians (interquartile ranges) and were compared with the Mann-Whitney *U* test. No difference remained statistically significant after controlling for a false discovery rate (q) = 0.10, m = 31.