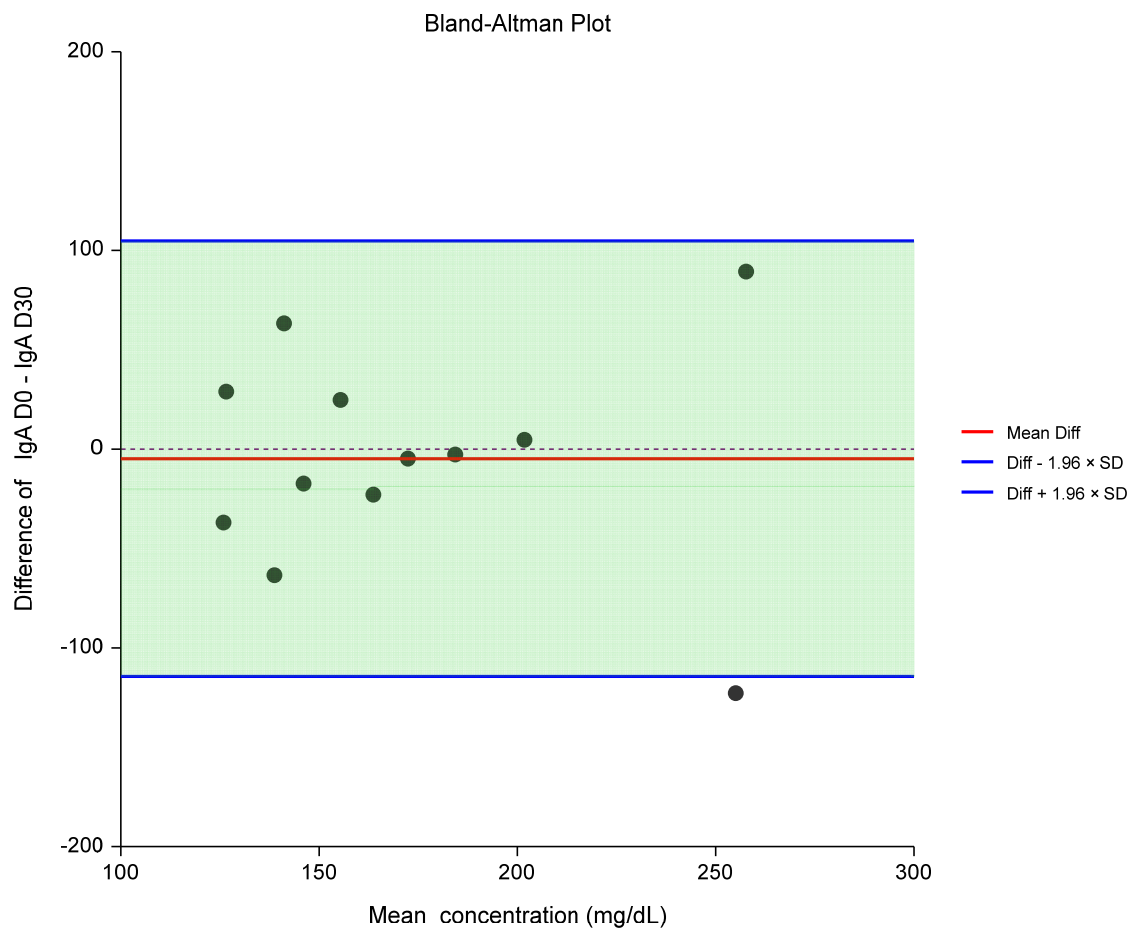


## Supplementary file 2. Bland-Altman Analysis of Immunoglobulins

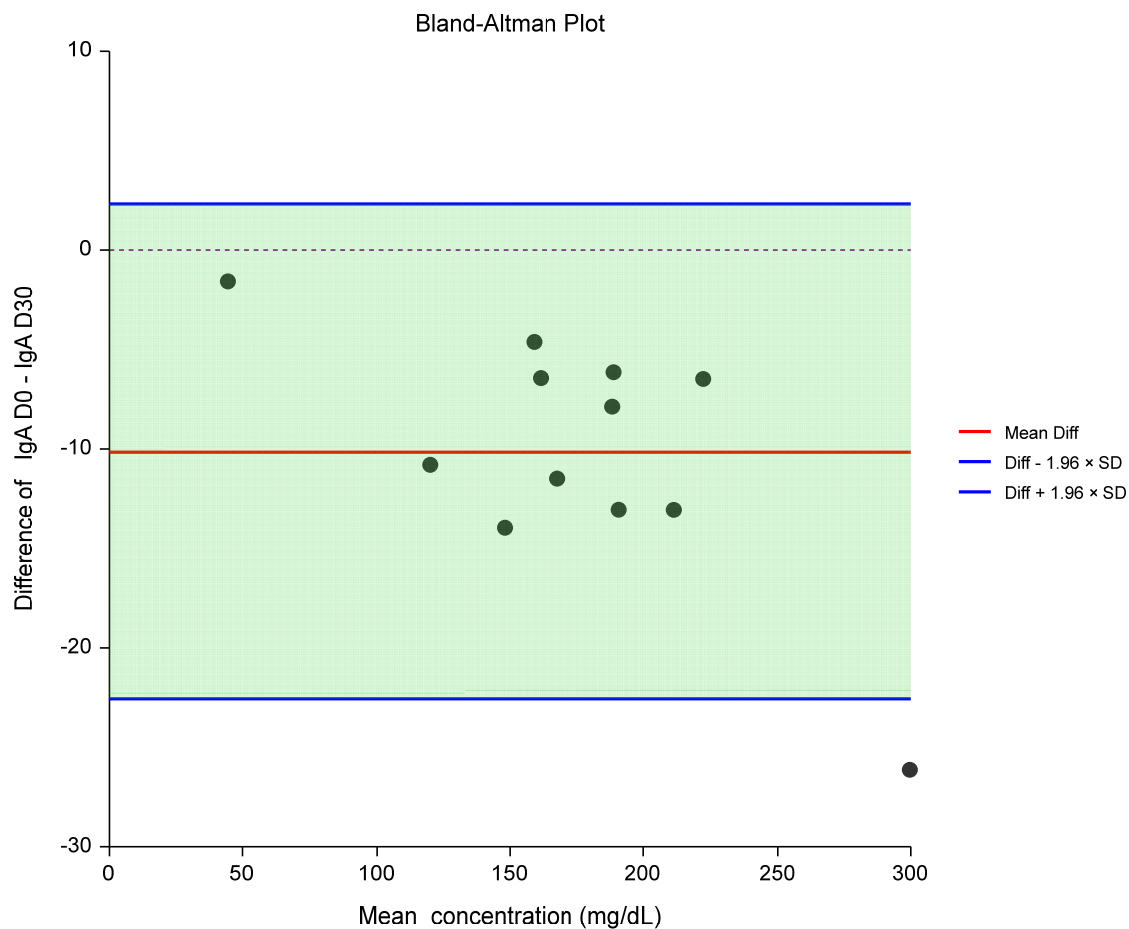


**Figure S1.** Bland-Altman plot of concentration of IgA for Day 0 and Day 30 in placebo group.

**Table S1.** Bias and Limits of Agreement of concentration of IgA for Day 0 and Day 30 in placebo group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-4.97	55.99	-40.55	30.60
Lower Limit of Agreement	12	-114.72	28.44	-177.31	-52.13
Upper Limit of Agreement	12	104.77	28.44	42.18	167.36

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

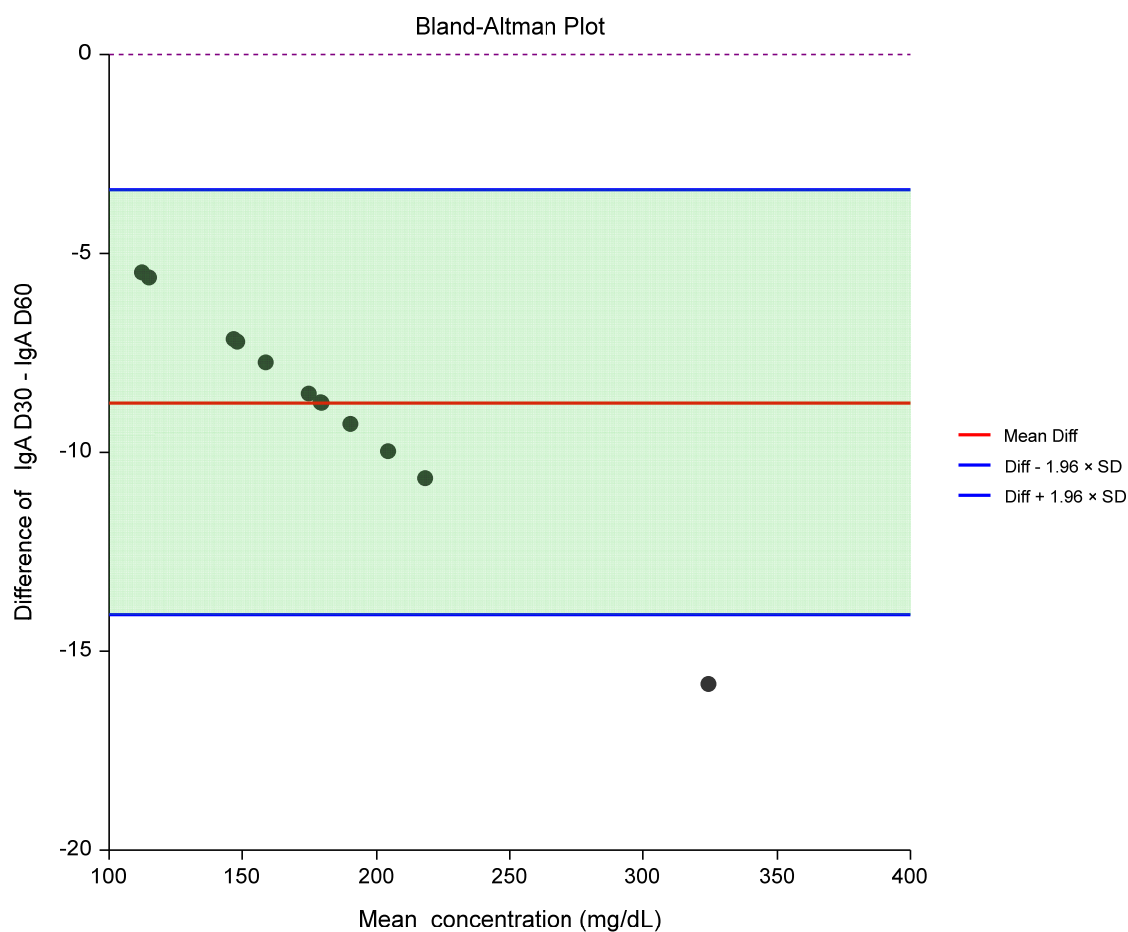


**Figure S2.** Bland-Altman plot of concentration of IgA for Day 0 and Day 30 in test group.

**Table S2.** Bias and Limits of Agreement of concentration of IgA for Day 0 and Day 30 in test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-10.13	6.34	-14.16	-6.11
Lower Limit of Agreement	12	-22.55	3.22	-29.64	-15.47
Upper Limit of Agreement	12	2.28	3.22	-4.80	9.37

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

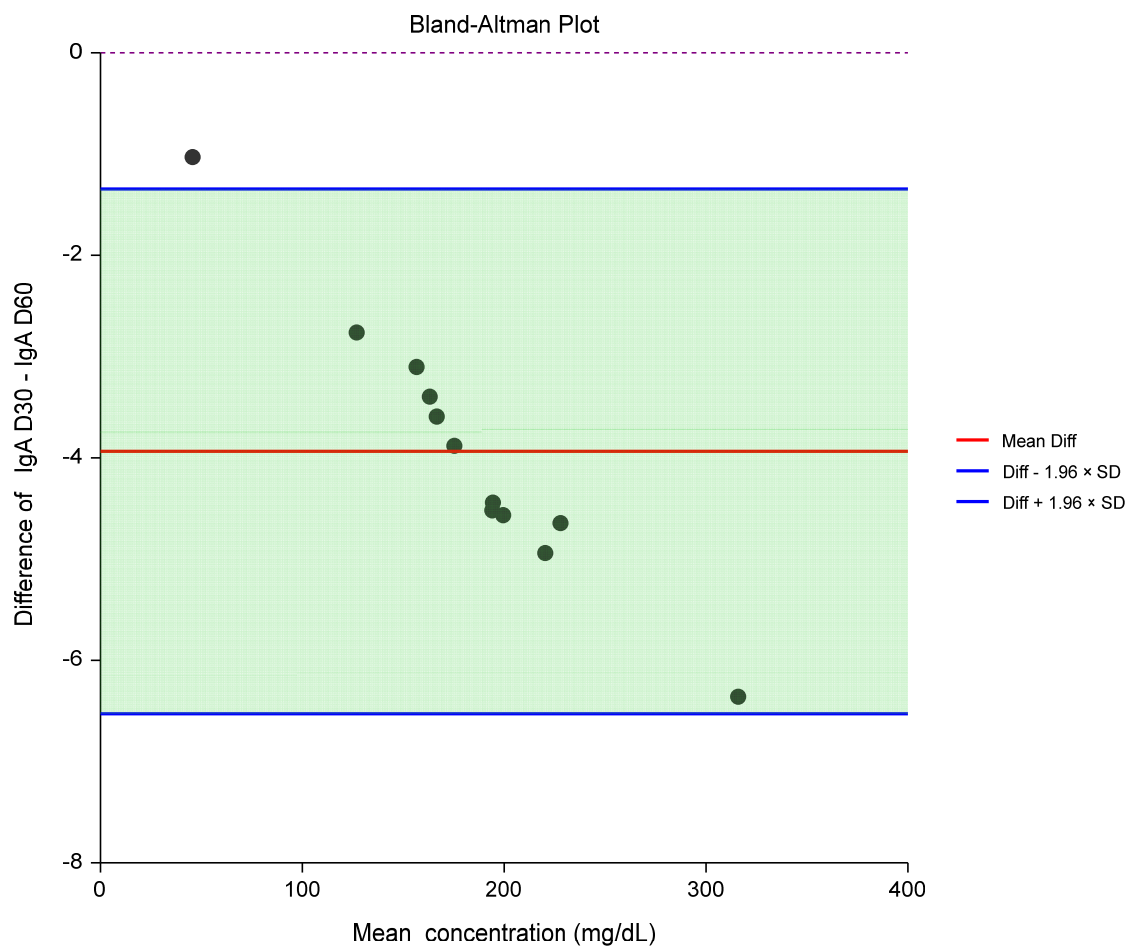


**Figure S3.** Bland-Altman plot of concentration of IgA for Day 30 and Day 60 in placebo crossed over to test group.

**Table S3.** Bias and Limits of Agreement of concentration of IgA for Day 30 and Day 60 in placebo crossed over to test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-8.74	2.73	-10.48	-7.01
Lower Limit of Agreement	12	-14.10	1.39	-17.15	-11.04
Upper Limit of Agreement	12	-3.39	1.39	-6.44	-0.34

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

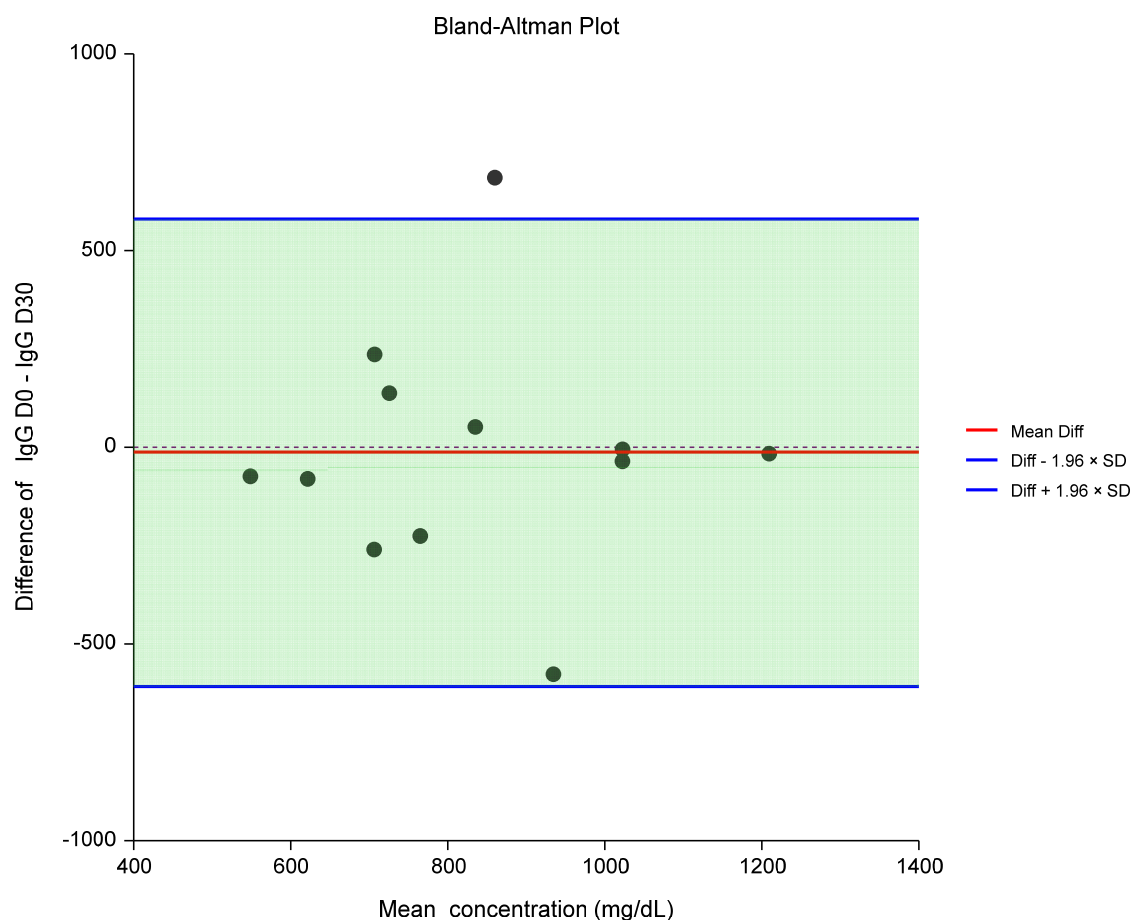


**Figure S4.** Bland-Altman plot of concentration of IgA for Day 30 and Day 60 in test group.

**Table S4.** Bias and Limits of Agreement of concentration of IgA for Day 30 and Day 60 in test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-3.94	1.33	-4.78	-3.09
Lower Limit of Agreement	12	-6.53	0.67	-8.01	-5.05
Upper Limit of Agreement	12	-1.34	0.67	-2.82	0.14

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

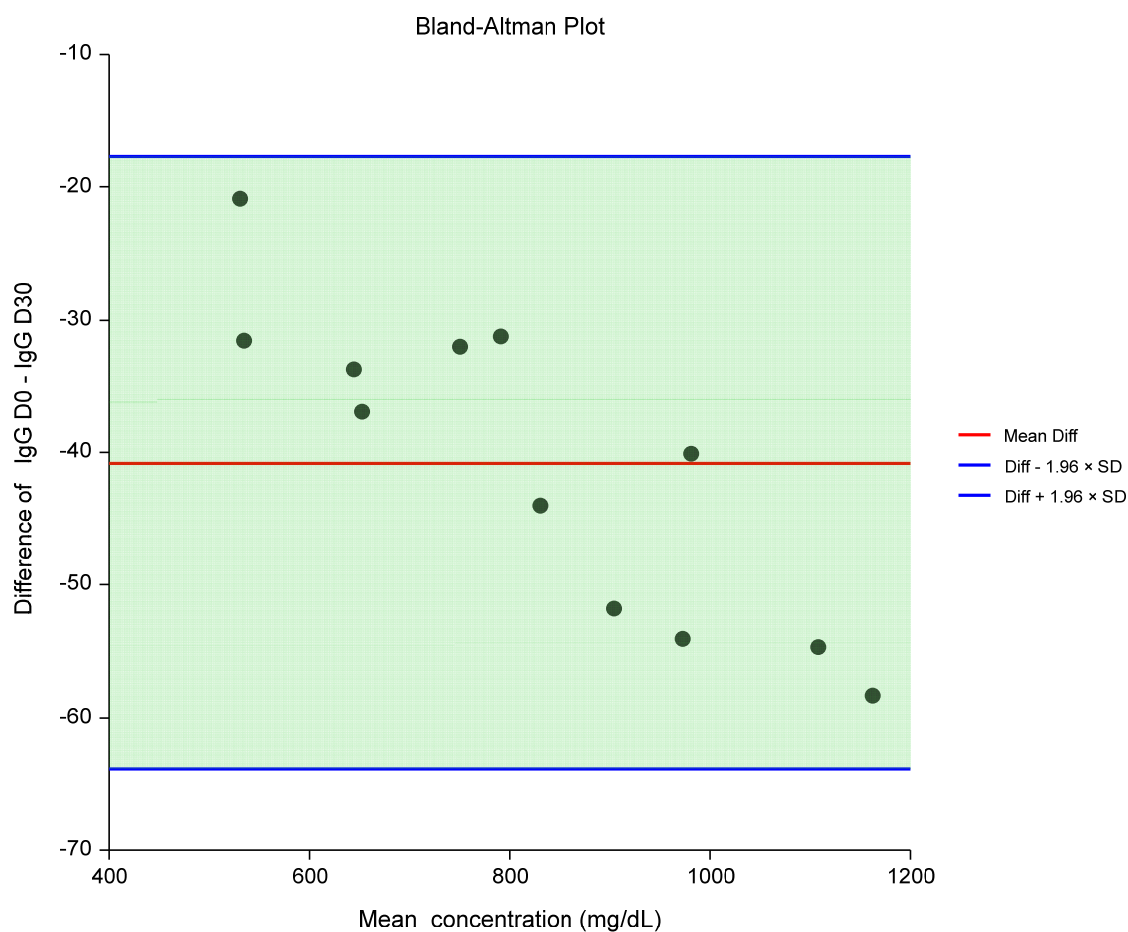


**Figure S5.** Bland-Altman plot of concentration of IgG for Day 0 and Day 30 in placebo group.

**Table S5.** Bias and Limits of Agreement of concentration of IgG for Day 0 and Day 30 in placebo group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-13.58	302.92	-206.05	178.88
Lower Limit of Agreement	12	-607.31	153.85	-945.93	-268.69
Upper Limit of Agreement	12	580.14	153.85	241.52	918.77

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

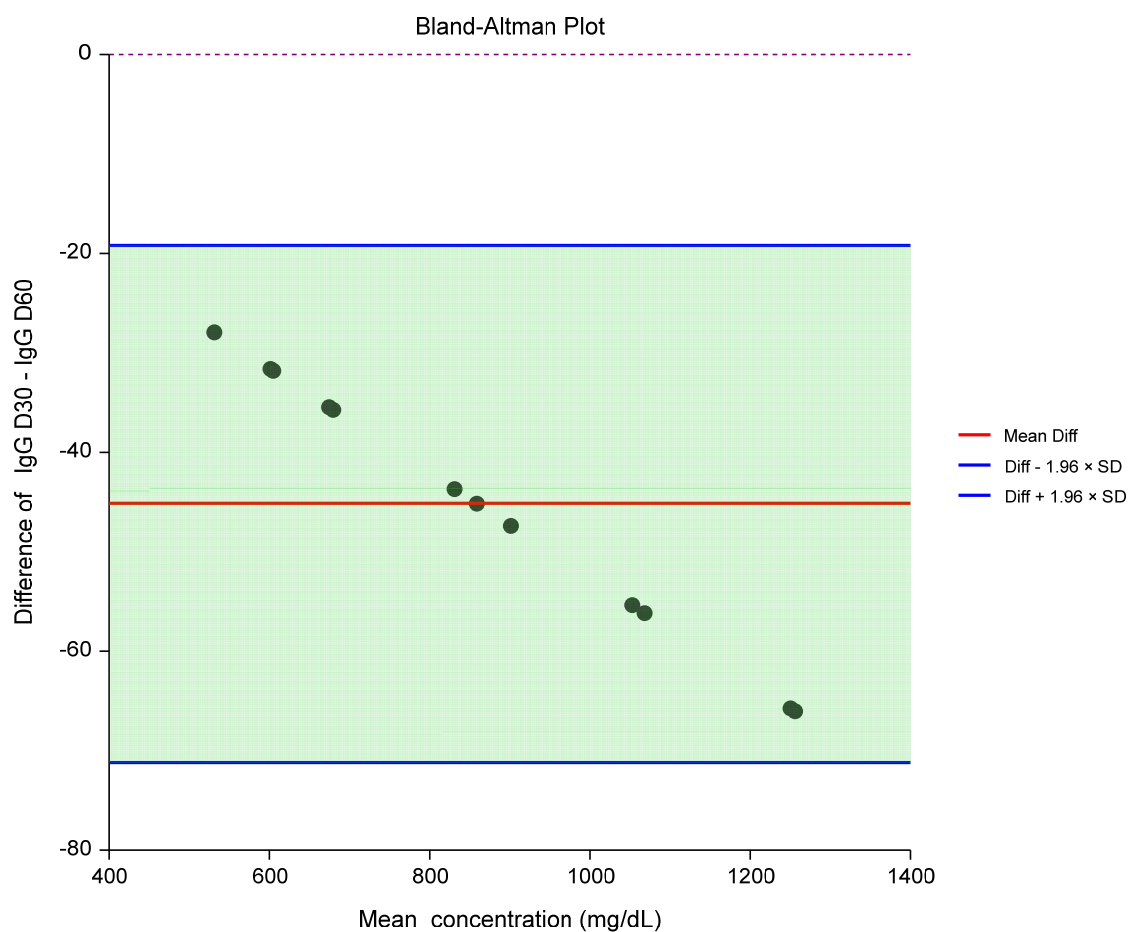


**Figure S6.** Bland-Altman plot of concentration of IgG for Day 0 and Day 30 in test group.

**Table S6.** Bias and Limits of Agreement of concentration of IgG for Day 0 and Day 30 in test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-40.79	11.77	-48.26	-33.31
Lower Limit of Agreement	12	-63.85	5.98	-77.00	-50.70
Upper Limit of Agreement	12	-17.72	5.98	-30.88	-4.57

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

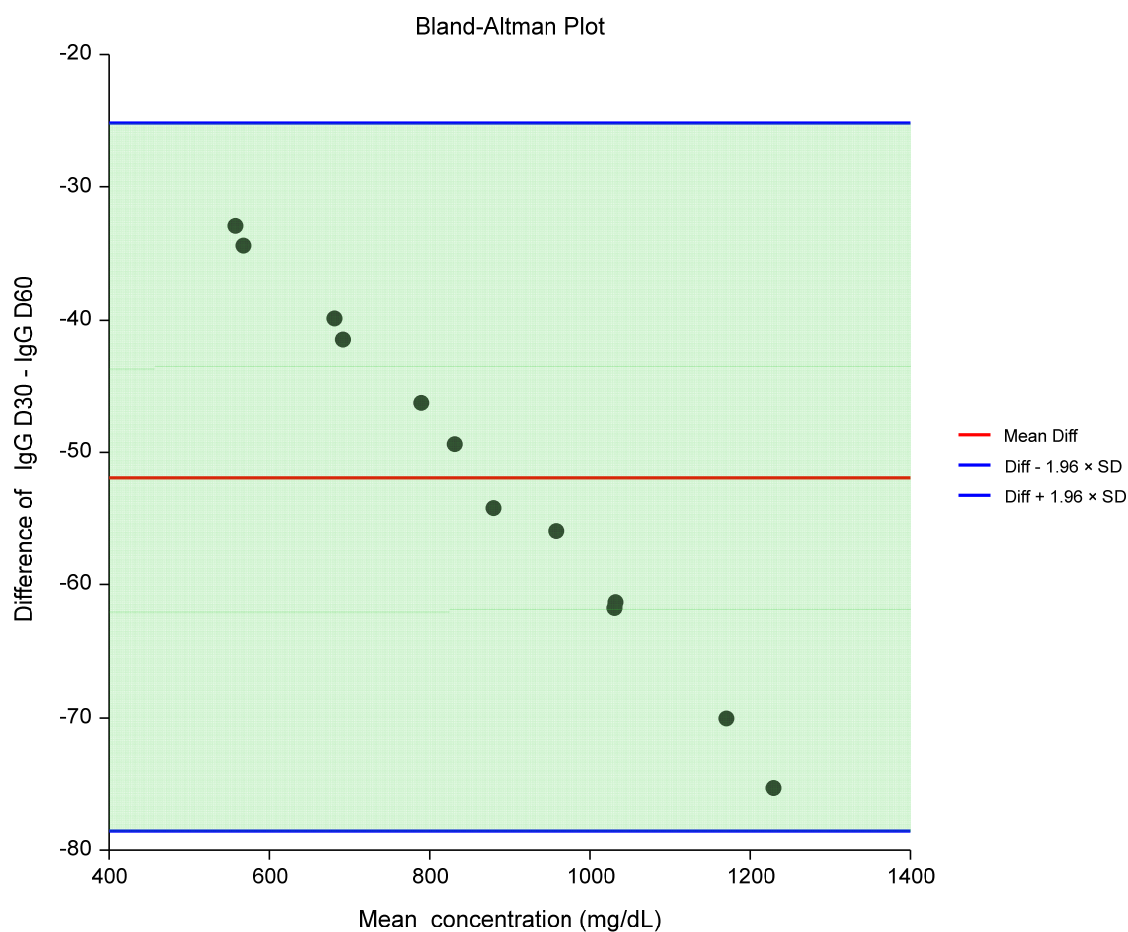


**Figure S7.** Bland-Altman plot of concentration of IgG for Day 30 and Day 60 in placebo crossed over to test group.

**Table S7.** Bias and Limits of Agreement of concentration of IgG for Day 30 and Day 60 in placebo crossed over to test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-45.18	13.26	-53.60	-36.75
Lower Limit of Agreement	12	-71.16	6.73	-85.99	-56.34
Upper Limit of Agreement	12	-19.19	6.73	-34.01	-4.36

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).



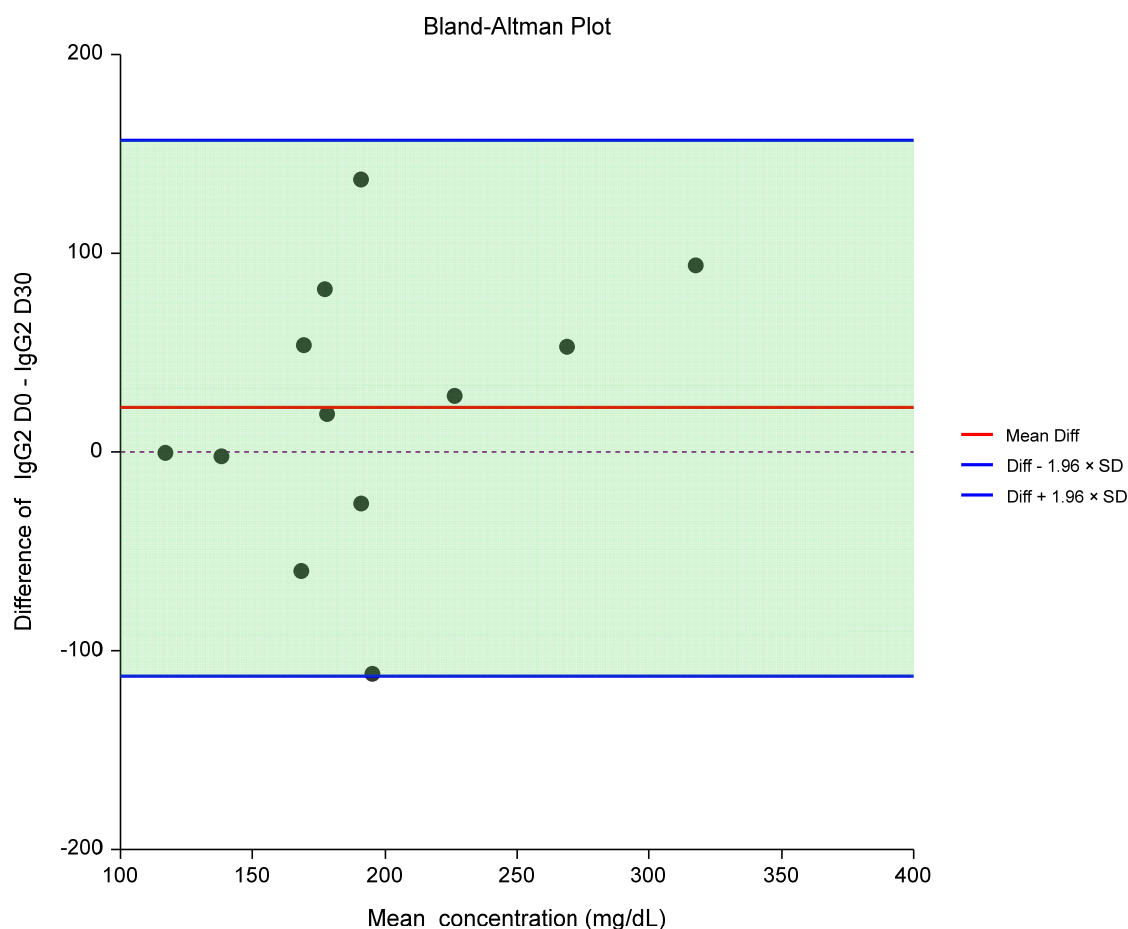
**Figure S8.** Bland-Altman plot of concentration of IgG for Day 30 and Day 60 in test group.

**Table S8.** Bias and Limits of Agreement of concentration of IgG for Day 30 and Day 60 in test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-51.91	13.62	-60.57	-43.25
Lower Limit of Agreement	12	-78.61	6.92	-93.84	-63.38
Upper Limit of Agreement	12	-25.21	6.92	-40.44	-9.98

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).



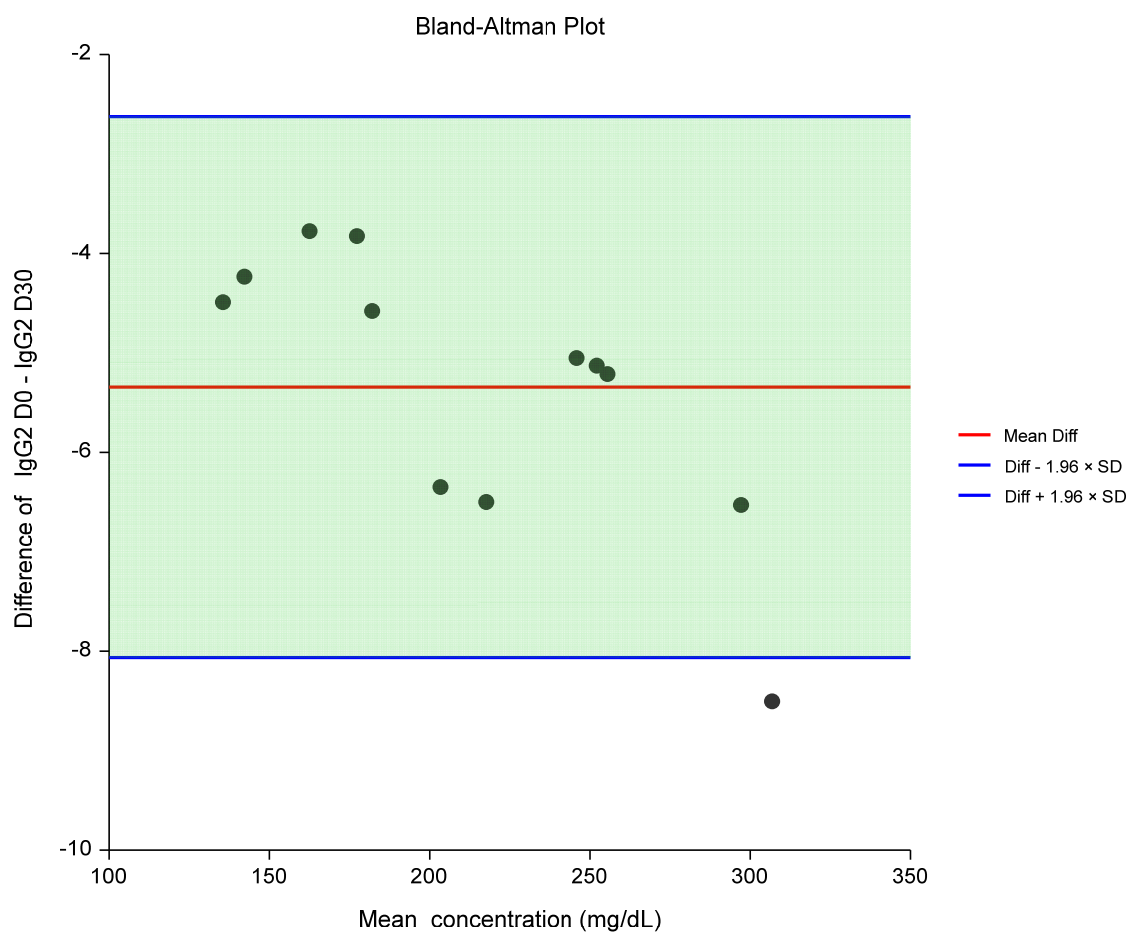


**Figure S9.** Bland-Altman plot of concentration of IgG2 for Day 0 and Day 30 in placebo group.

**Table S9.** Bias and Limits of Agreement of concentration of IgG2 for Day 0 and Day 30 in placebo group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	22.23	68.74	-21.44	65.91
Lower Limit of Agreement	12	-112.49	34.91	-189.32	-35.65
Upper Limit of Agreement	12	156.96	34.91	80.12	233.79

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

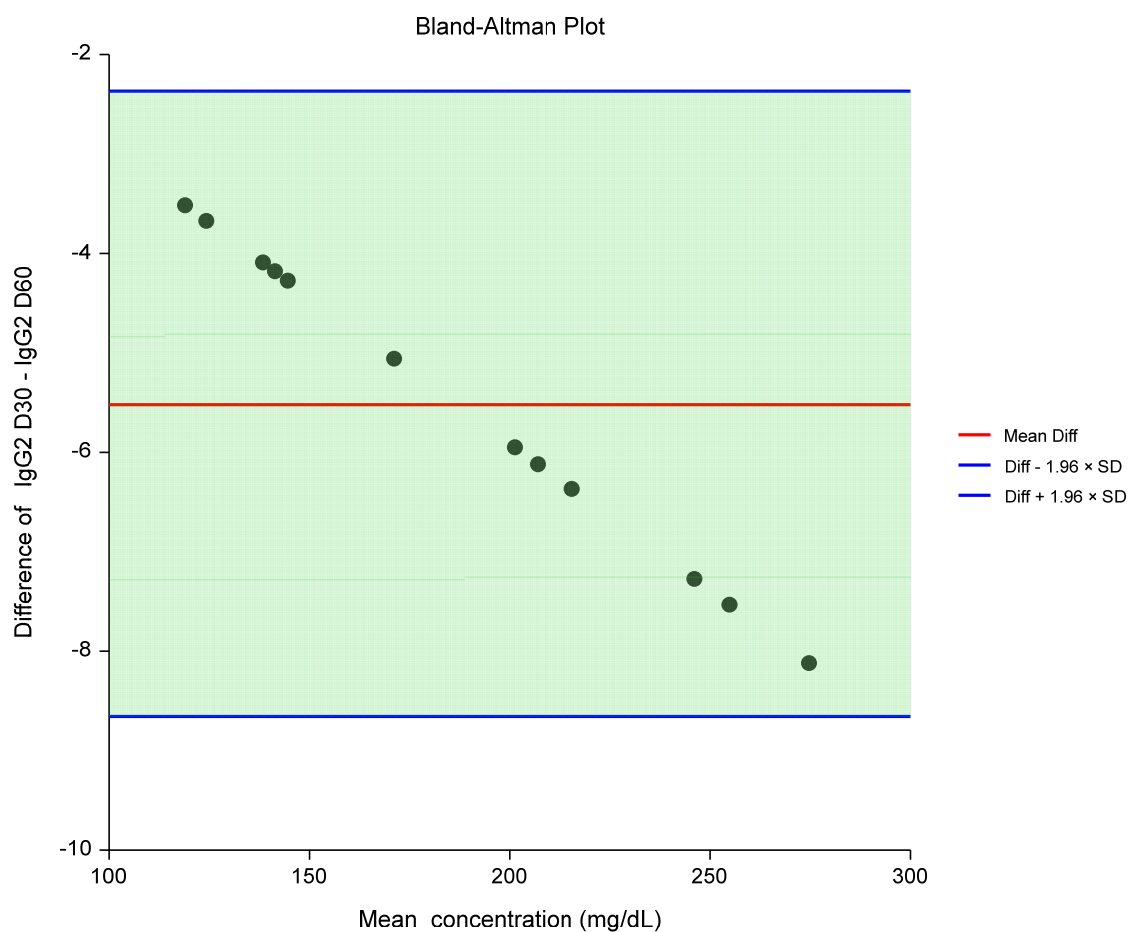


**Figure S10.** Bland-Altman plot of concentration of IgG2 for Day 0 and Day 30 in test group.

**Table S10.** Bias and Limits of Agreement of concentration of IgG2 for Day 0 and Day 30 in test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-5.35	1.39	-6.23	-4.47
Lower Limit of Agreement	12	-8.07	0.71	-9.62	-6.52
Upper Limit of Agreement	12	-2.63	0.71	-4.18	-1.07

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

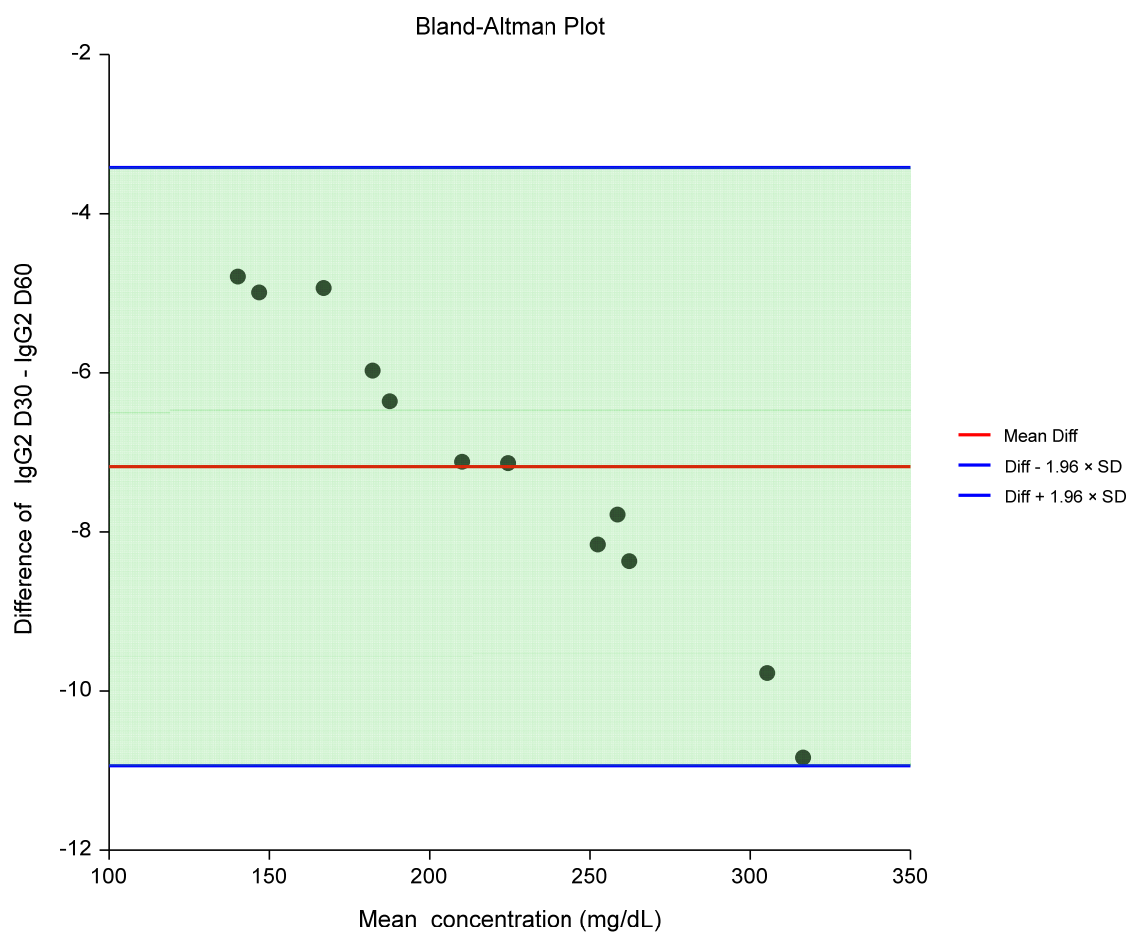


**Figure S11.** Bland-Altman plot of concentration of IgG2 for Day 30 and Day 60 in placebo crossed over to test group.

**Table S11.** Bias and Limits of Agreement of concentration of IgG2 for Day 30 and Day 60 in placebo crossed over to test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-5.51	1.60	-6.53	-4.50
Lower Limit of Agreement	12	-8.65	0.81	-10.44	-6.86
Upper Limit of Agreement	12	-2.37	0.81	-4.16	-0.59

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

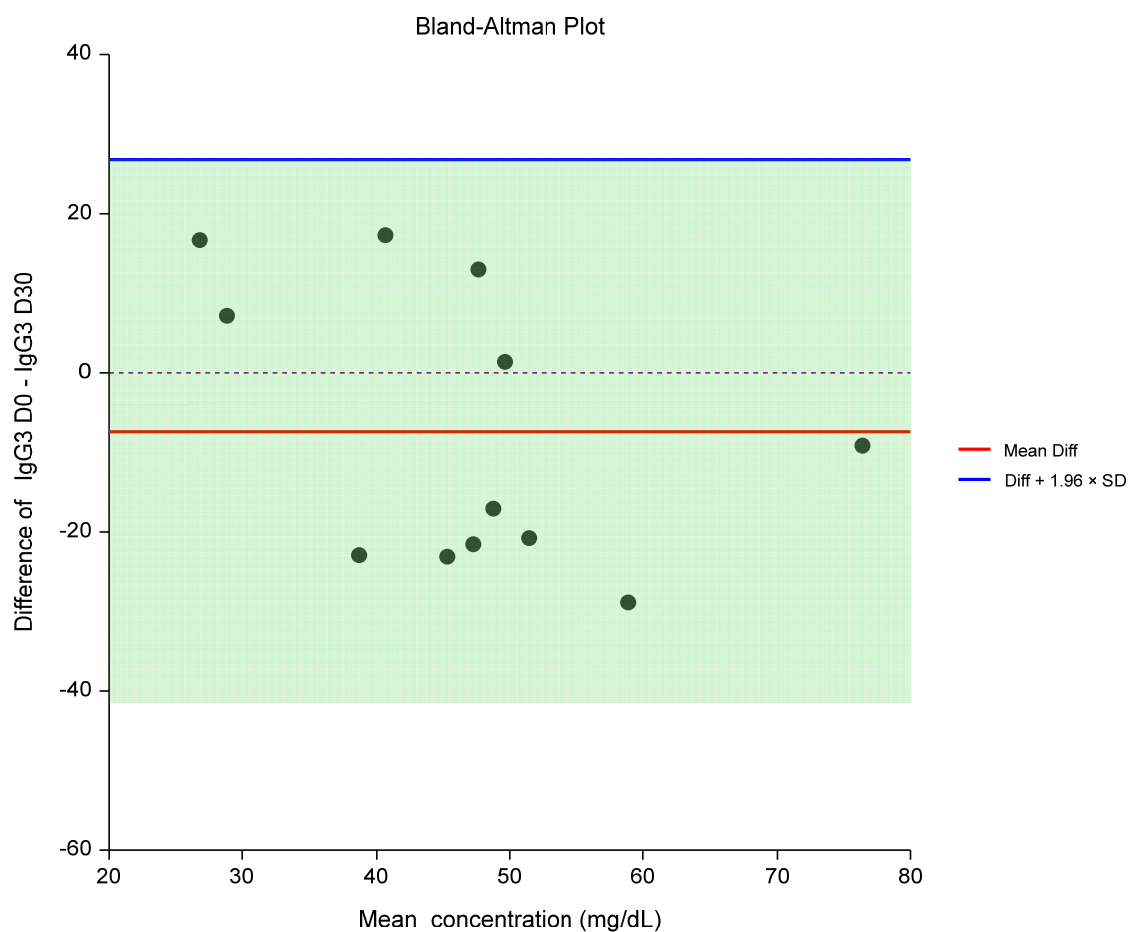


**Figure S12.** Bland-Altman plot of concentration of IgG2 for Day 30 and Day 60 in test group.

**Table S12.** Bias and Limits of Agreement of concentration of IgG2 for Day 30 and Day 60 in test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-7.18	1.92	-8.40	-5.97
Lower Limit of Agreement	12	-10.95	0.97	-13.09	-8.80
Upper Limit of Agreement	12	-3.42	0.97	-5.57	-1.28

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

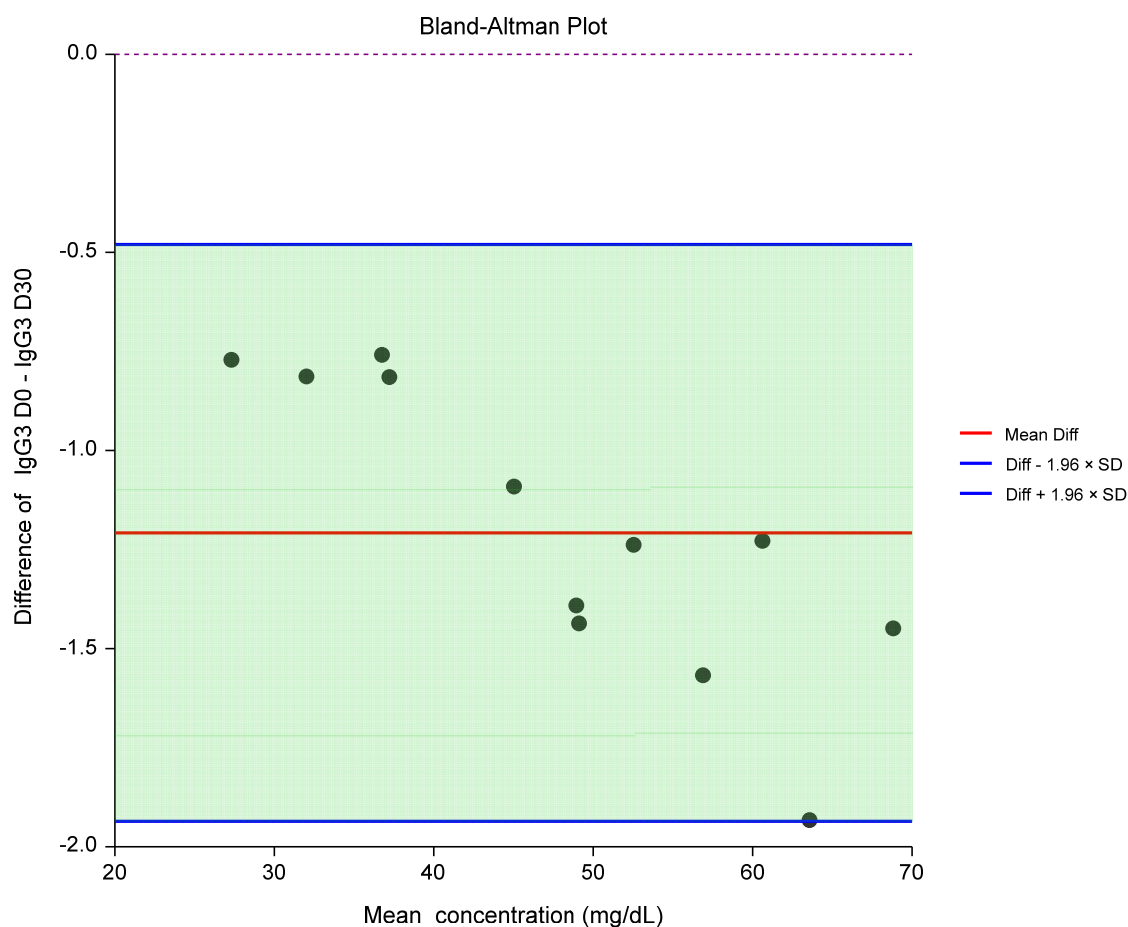


**Figure S13.** Bland-Altman plot of concentration of IgG3 for Day 0 and Day 30 in placebo group.

**Table S13.** Bias and Limits of Agreement of concentration of IgG3 for Day 0 and Day 30 in placebo group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-7.33	17.37	-18.37	3.71
Lower Limit of Agreement	12	-41.37	8.82	-60.79	-21.96
Upper Limit of Agreement	12	26.71	8.82	7.30	46.13

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

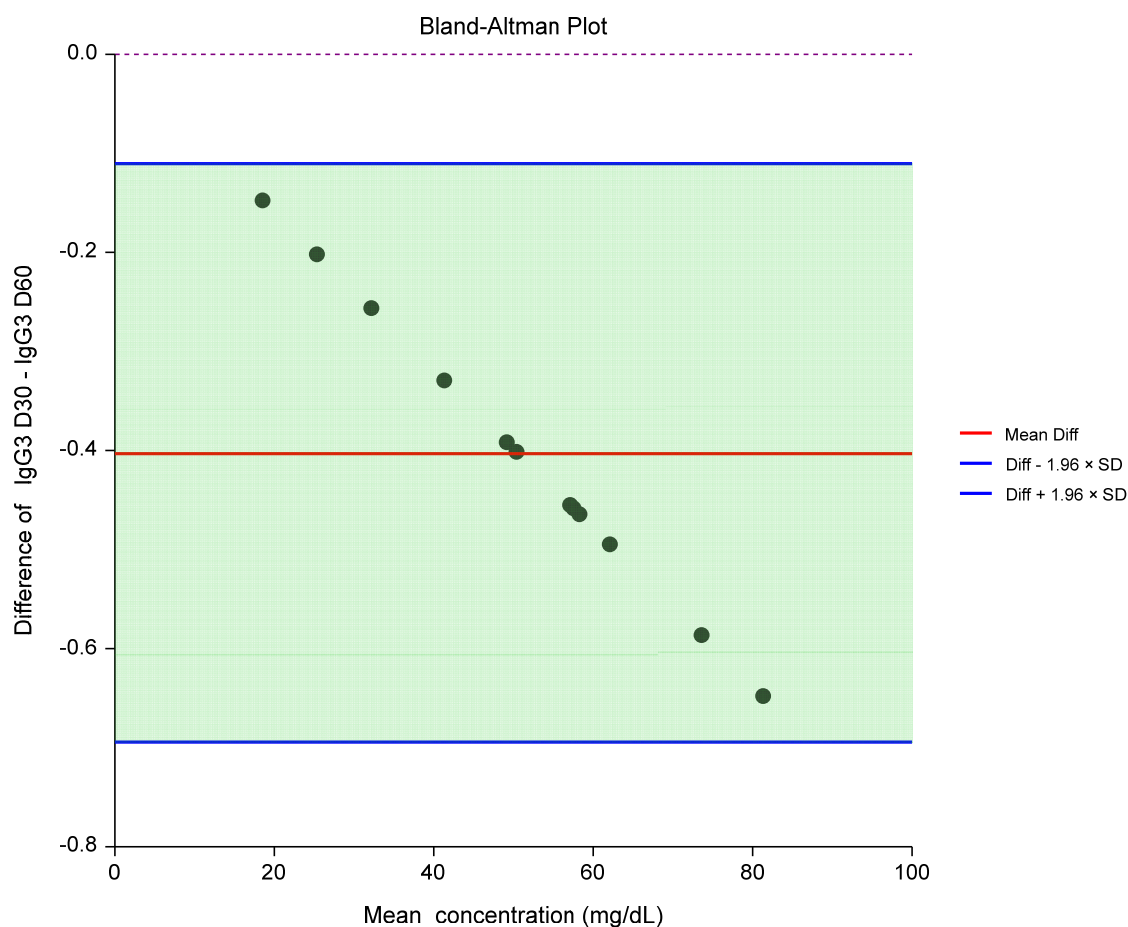


**Figure S14.** Bland-Altman plot of concentration of IgG3 for Day 0 and Day 30 in test group.

**Table S14.** Bias and Limits of Agreement of concentration of IgG3 for Day 0 and Day 30 in test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-1.21	0.37	-1.44	-0.97
Lower Limit of Agreement	12	-1.94	0.19	-2.35	-1.52
Upper Limit of Agreement	12	-0.48	0.19	-0.89	-0.06

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

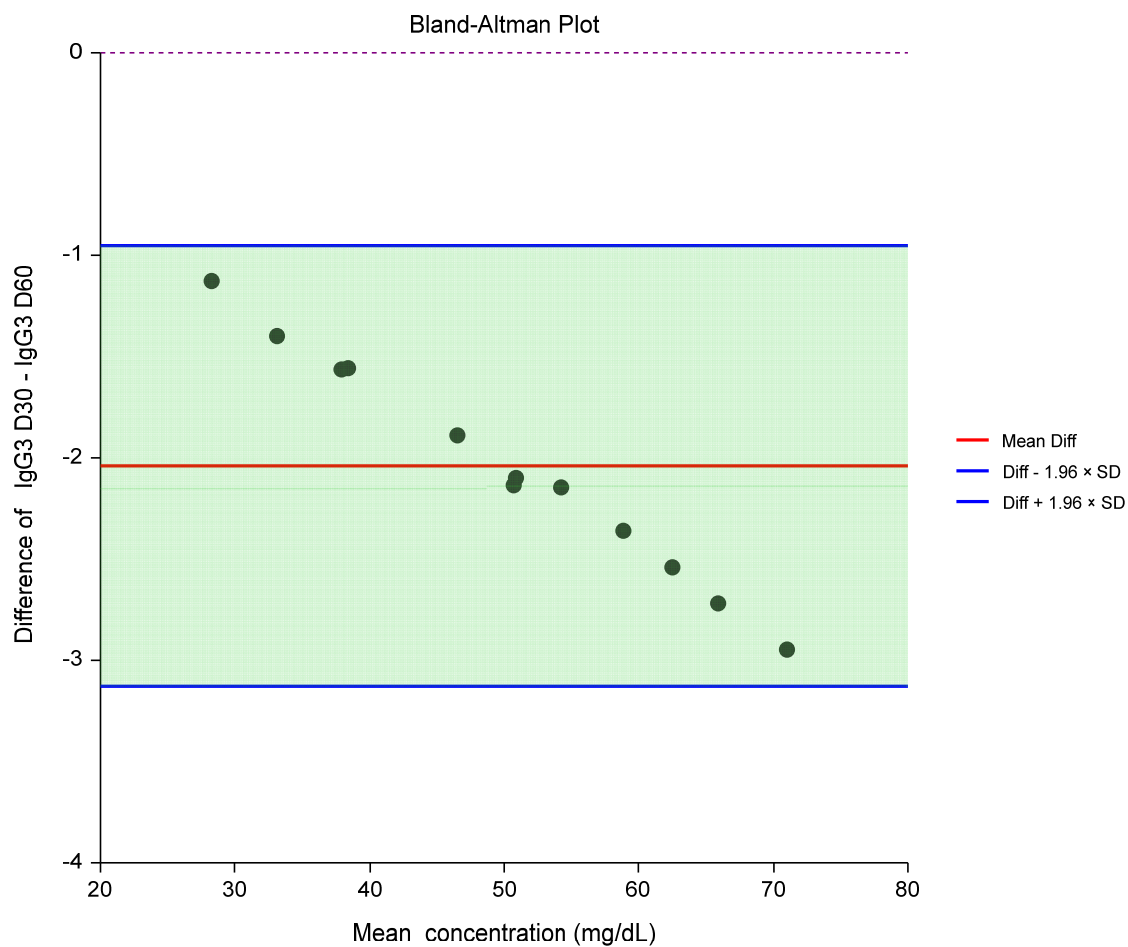


**Figure S15.** Bland-Altman plot of concentration of IgG3 for Day 30 and Day 60 in placebo crossed over to test group.

**Table S15.** Bias and Limits of Agreement of concentration of IgG3 for Day 30 and Day 60 in placebo crossed over to test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-0.40	0.15	-0.50	-0.31
Lower Limit of Agreement	12	-0.69	0.08	-0.86	-0.53
Upper Limit of Agreement	12	-0.11	0.08	-0.28	0.06

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).



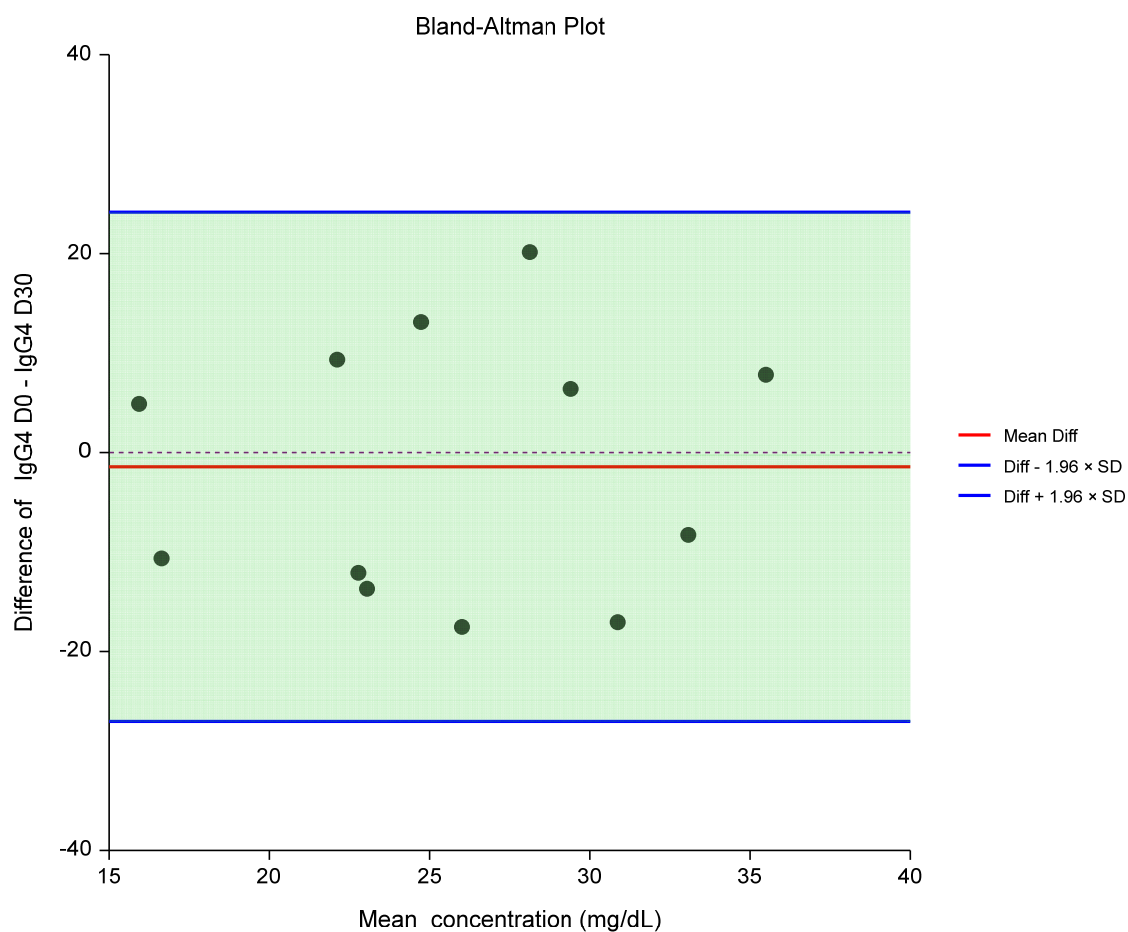
**Figure S16.** Bland-Altman plot of concentration of IgG3 for Day 30 and Day 60 in test group.

**Table S16.** Bias and Limits of Agreement of concentration of IgG3 for Day 30 and Day 60 in test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-2.04	0.56	-2.39	-1.69
Lower Limit of Agreement	12	-3.13	0.28	-3.75	-2.51
Upper Limit of Agreement	12	-0.95	0.28	-1.57	-0.33

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).



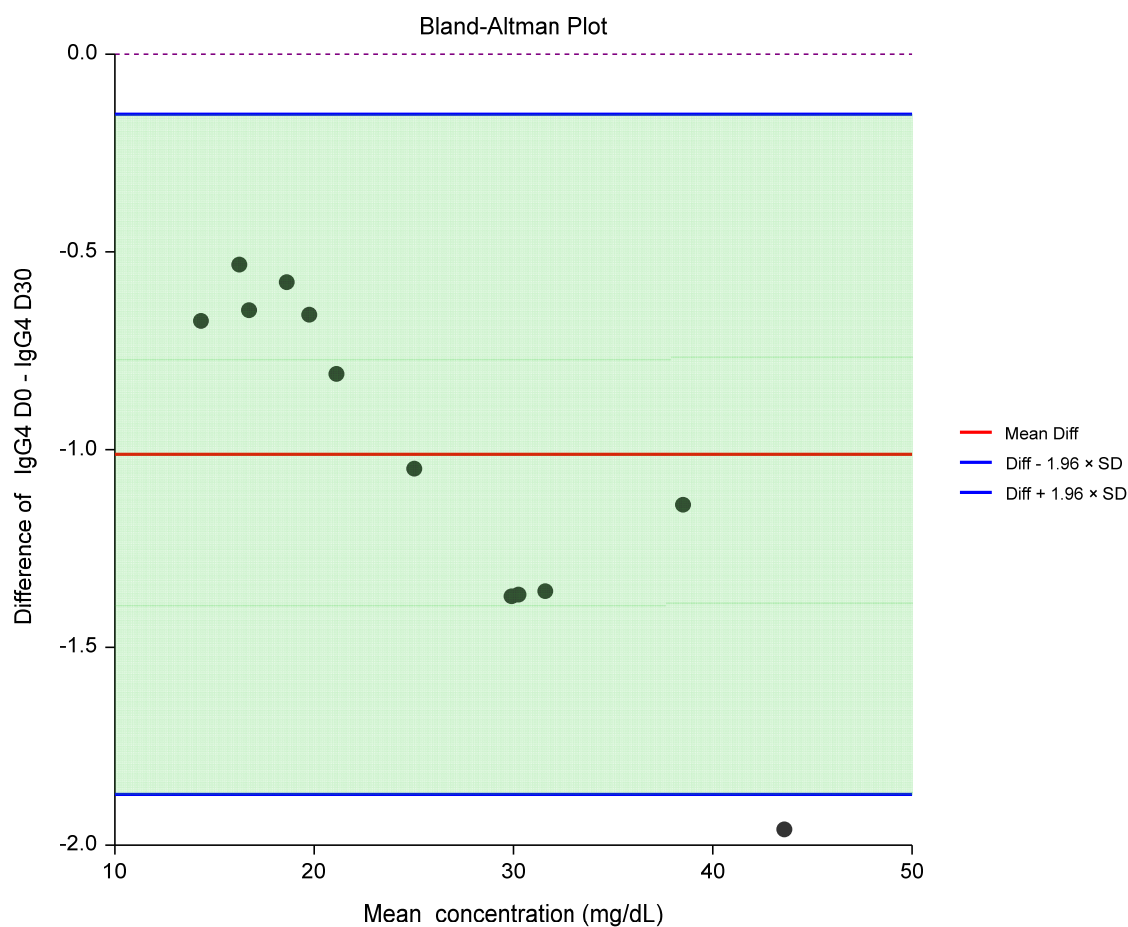


**Figure S17.** Bland-Altman plot of concentration of IgG4 for Day 0 and Day 30 in placebo group.

**Table S17.** Bias and Limits of Agreement of concentration of IgG4 for Day 0 and Day 30 in placebo group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-1.47	13.07	-9.78	6.83
Lower Limit of Agreement	12	-27.09	6.64	-41.71	-12.48
Upper Limit of Agreement	12	24.15	6.64	9.54	38.76

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

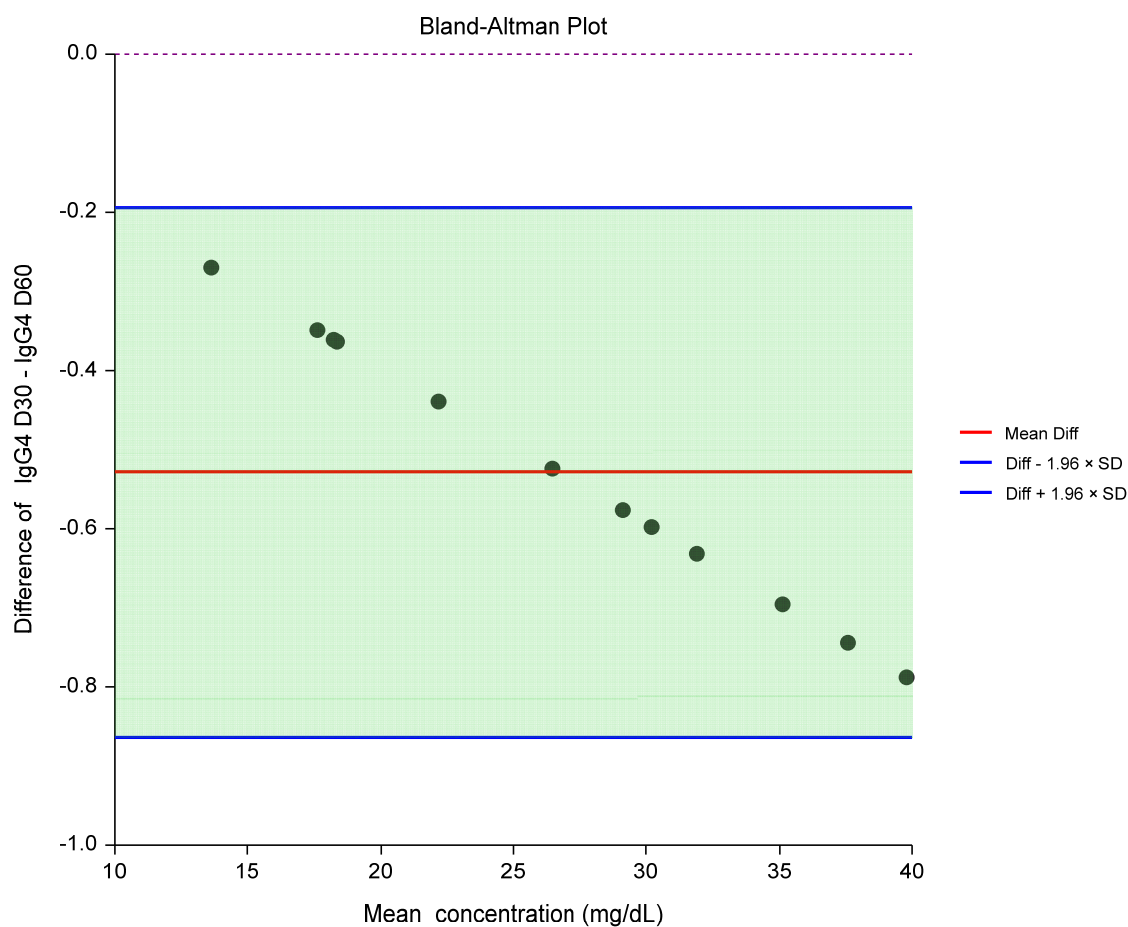


**Figure S18.** Bland-Altman plot of concentration of IgG4 for Day 0 and Day 30 in test group.

**Table S18.** Bias and Limits of Agreement of concentration of IgG4 for Day 0 and Day 30 in test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-1.01	0.44	-1.29	-0.73
Lower Limit of Agreement	12	-1.87	0.22	-2.36	-1.38
Upper Limit of Agreement	12	-0.15	0.22	-0.64	0.34

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

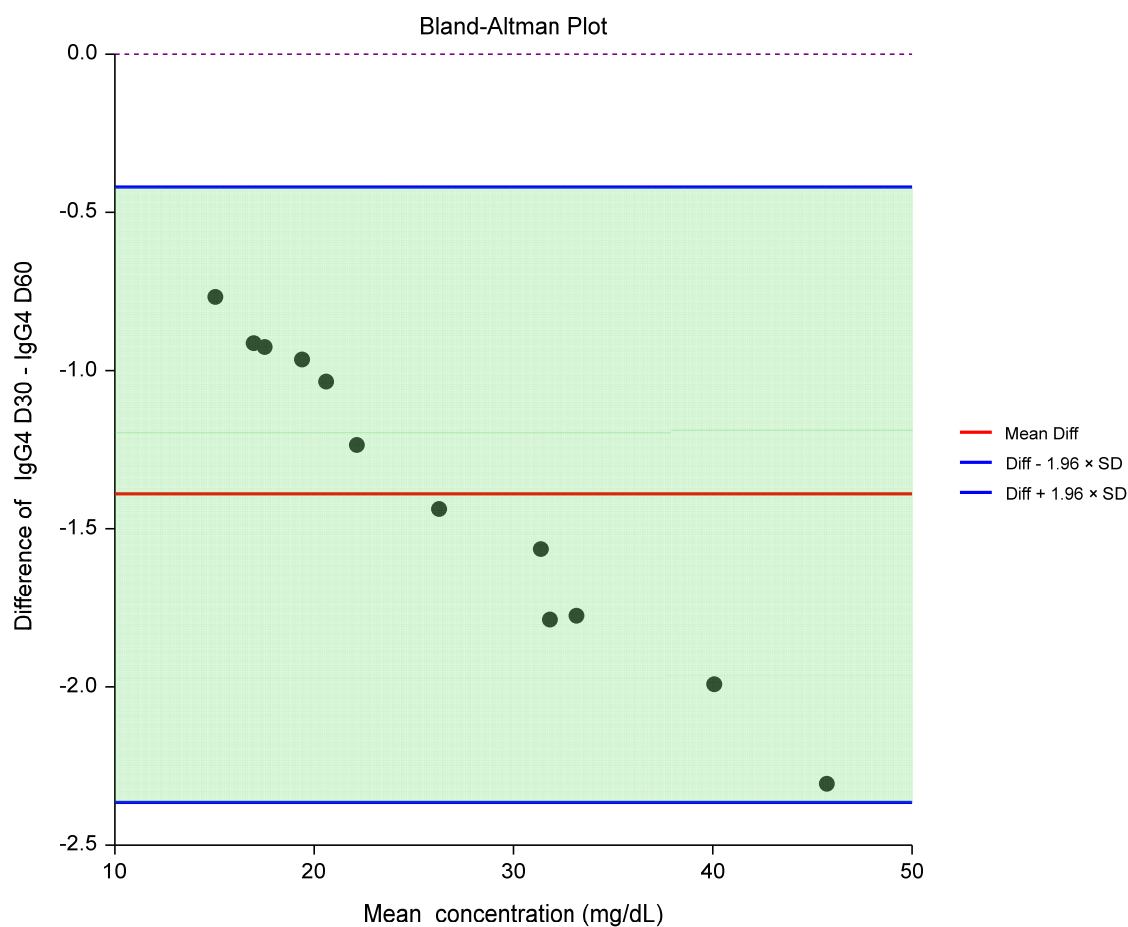


**Figure S19.** Bland-Altman plot of concentration of IgG4 for Day 30 and Day 60 in placebo crossed over to test group.

**Table S19.** Bias and Limits of Agreement of concentration of IgG4 for Day 30 and Day 60 in placebo crossed over to test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-0.53	0.17	-0.64	-0.42
Lower Limit of Agreement	12	-0.86	0.09	-1.05	-0.67
Upper Limit of Agreement	12	-0.19	0.09	-0.38	0.00

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

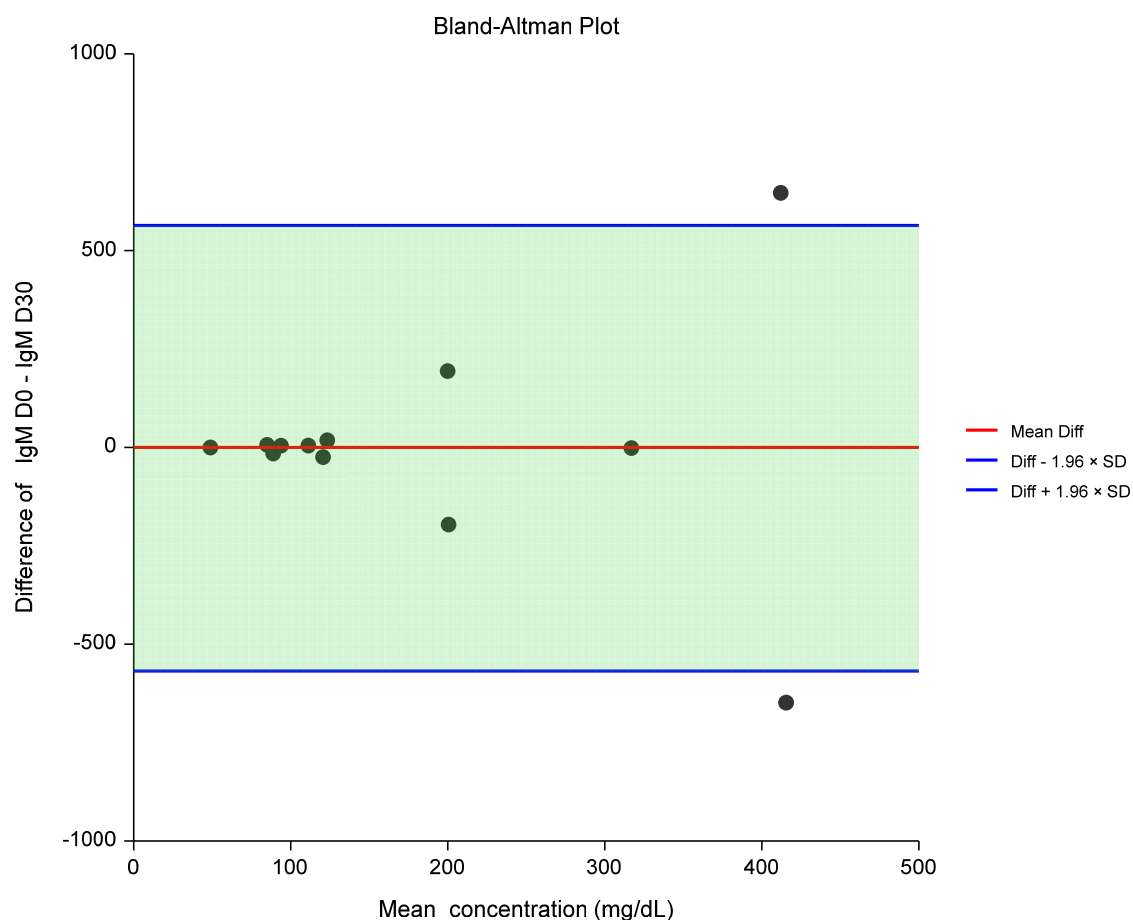


**Figure S20.** Bland-Altman plot of concentration of IgG4 for Day 30 and Day 60 in test group.

**Table S20.** Bias and Limits of Agreement of concentration of IgG4 for Day 30 and Day 60 in test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-1.39	0.50	-1.71	-1.08
Lower Limit of Agreement	12	-2.36	0.25	-2.92	-1.81
Upper Limit of Agreement	12	-0.42	0.25	-0.97	0.13

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

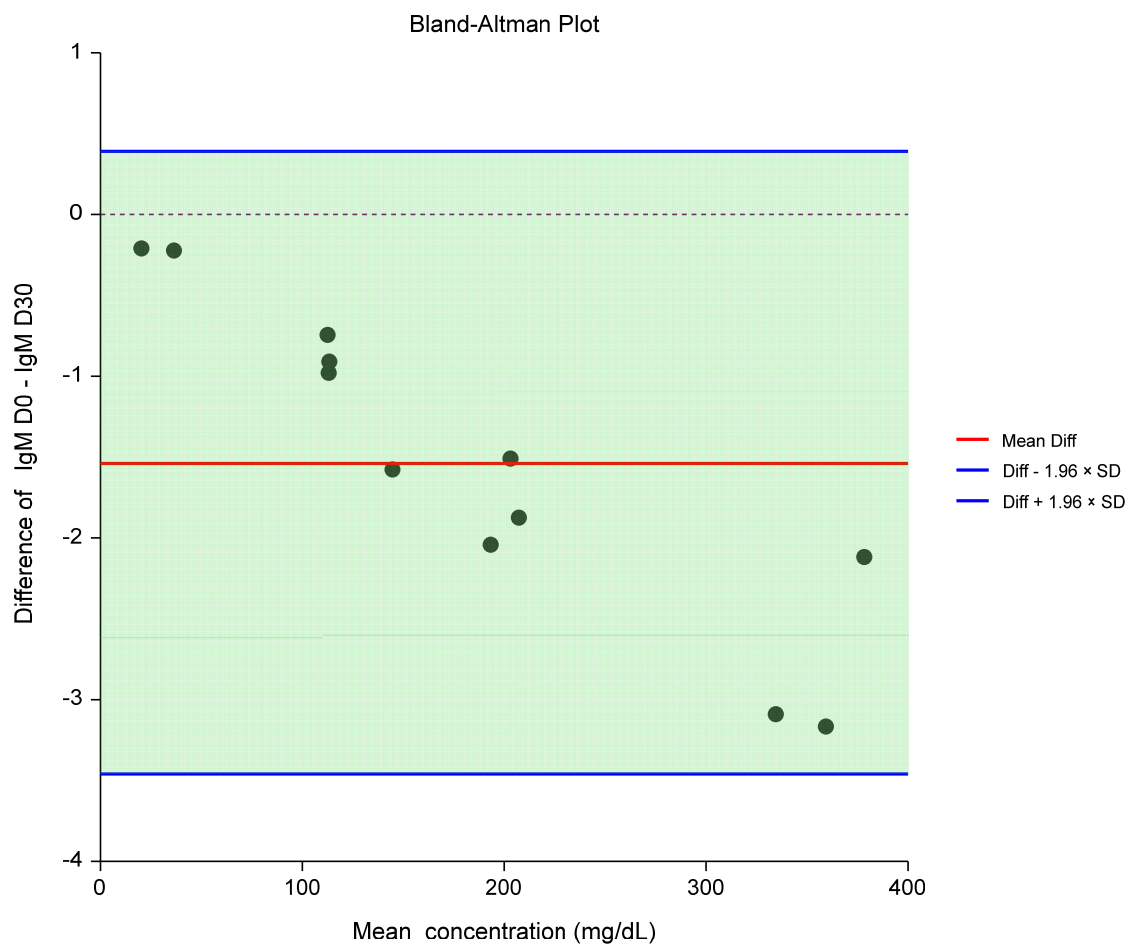


**Figure S21.** Bland-Altman plot of concentration of IgM for Day 0 and Day 30 in placebo group.

**Table S21.** Bias and Limits of Agreement of concentration of IgM for Day 0 and Day 30 in placebo group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-1.03	288.58	-184.39	182.33
Lower Limit of Agreement	12	-566.65	146.57	-889.25	-244.06
Upper Limit of Agreement	12	564.59	146.57	242.00	887.19

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

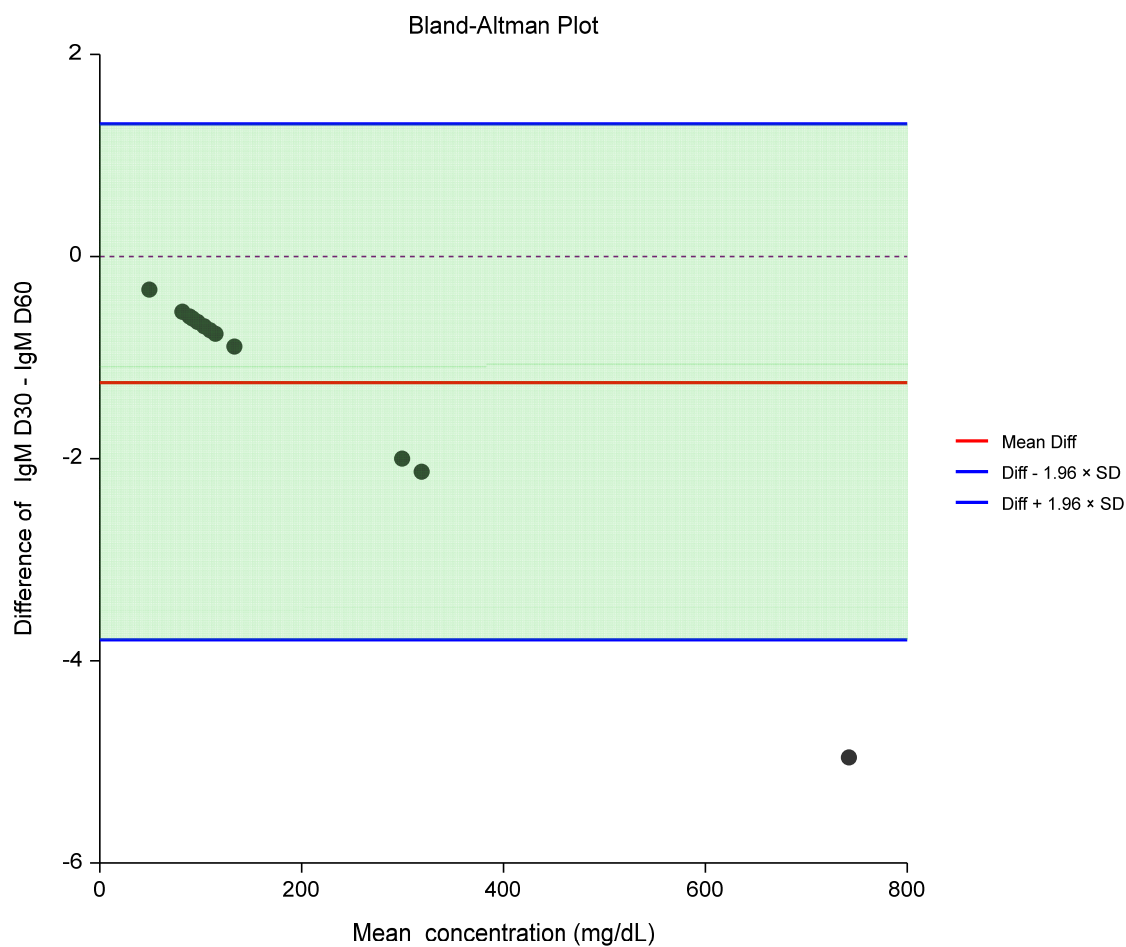


**Figure S22.** Bland-Altman plot of concentration of IgM for Day 0 and Day 30 in test group.

**Table S22.** Bias and Limits of Agreement of concentration of IgM for Day 0 and Day 30 in test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-1.54	0.98	-2.16	-0.91
Lower Limit of Agreement	12	-3.46	0.50	-4.56	-2.36
Upper Limit of Agreement	12	0.39	0.50	-0.71	1.48

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).

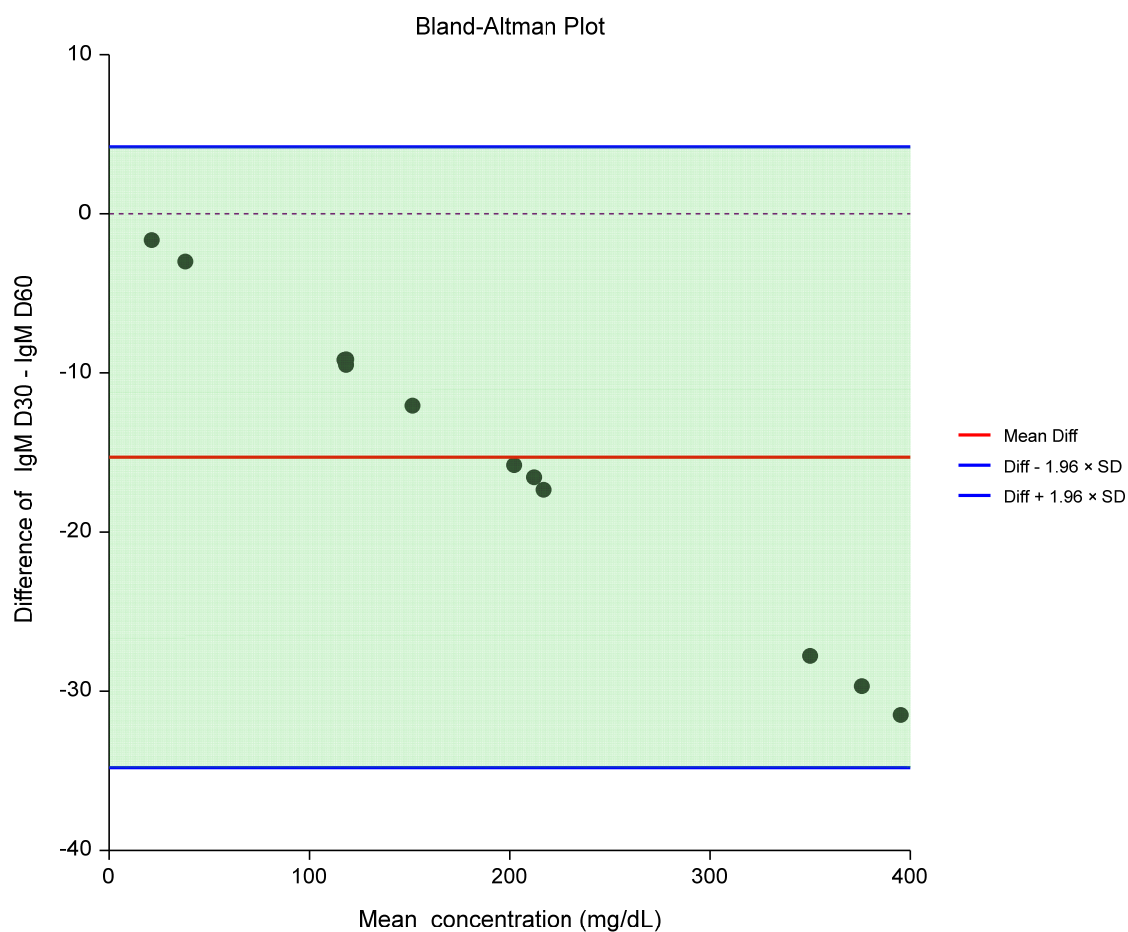


**Figure S23.** Bland-Altman plot of concentration of IgM for Day 30 and Day 60 in placebo crossed over to test group.

**Table S23.** Bias and Limits of Agreement of concentration of IgM for Day 30 and Day 60 in placebo crossed over to test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-1.24	1.30	-2.07	-0.42
Lower Limit of Agreement	12	-3.79	0.66	-5.24	-2.33
Upper Limit of Agreement	12	1.31	0.66	-0.15	2.76

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).



**Figure S24.** Bland-Altman plot of concentration of IgM for Day 30 and Day 60 in test group.

**Table S24.** Bias and Limits of Agreement of concentration of IgM for Day 30 and Day 60 in test group.

Parameter	Count	Value	Standard Deviation	95.0% LCL of Value	95.0% UCL of Value
Bias (Difference)	12	-15.27	9.94	-21.58	-8.95
Lower Limit of Agreement	12	-34.75	5.05	-45.87	-23.64
Upper Limit of Agreement	12	4.22	5.05	-6.89	15.34

Limits of Agreement = Difference  $\pm$  1.96  $\times$  (Standard Deviation of Difference).