

**Table 4** Extended lymphocyte typization comparison between IEI+ and IEI- groups (quantitative variables) (SD: standard deviation)

		IEI+ group (n=19)		IEI- group (n=28)		T-test
Variables		Obs	Mean [SD]	Obs	Mean [SD]	P-value
<i>Basic features</i>	WBC (cell/ul)	16	5 625.6 [2 419.2]	18	5 664.4 [2 046.1]	0.960
	Lymphocytes (cell/ul)	18	1 545.0 [660.2]	22	2 487.4 [951.7]	<b>0.001</b>
	CD3+ PAN-T cells (%†)	19	76.5 [7.8]	24	73.4 [7.5]	0.188
	CD4+/CD8+ ratio	19	1.4 [0.6]	24	1.6 [0.8]	0.432
<i>CD4+ T-cell subsets</i>	CD3+CD4+ T cells (cell/ul)	18	663.3 [358.5]	22	979.2 [429.6]	<b>0.017</b>
	CD3+CD4+ T cells (%†)	19	40.3 [10.1]	24	39.9 [6.6]	0.892
	CD4+CD45RA+CCR7+ naïve T cells (%‡)	17	30.8 [21.0]	16	61.5 [10.8]	<b>&lt;0.001</b>
	CD4+CD45RA-CCR7+ central memory T cells (%‡)	17	41.2 [15.6]	16	25.6 [9.9]	<b>0.002</b>
	CD4+CD45RA-CCR7- effector memory T cells (%‡)	17	26.9 [16.3]	16	10.4 [5.6]	<b>0.001</b>
	CD4+CD45RA+CCR7- terminal effector memory T cells (%‡)	17	1.0 [0.6]	16	2.1 [3.1]	0.195
	CD4+CD127-CCR7+CD25++ regulatory T cells (%‡)	17	4.3 [11.9]	15	4.1 [1.9]	0.916
<i>CD8+ T-cell subsets</i>	CD3+CD8+ T cells (cell/ul)	18	440.4 [160.8]	22	674.0 [301.7]	<b>0.004</b>
	CD3+CD8+ T cells (%†)	19	29.5 [6.5]	24	28.0 [8.5]	0.536
	CD8+CD45RA+CCR7+ naïve T cells (%§)	17	30.5 [18.3]	16	51.2 [10.6]	<b>&lt;0.001</b>
	CD8+CD45RA-CCR7+ central memory T cells (%§)	17	9.3 [6.2]	16	5.9 [3.3]	0.055
	CD8+CD45RA-CCR7- effector memory T cells (%§)	17	35.8 [15.3]	16	21.2 [8.7]	<b>0.002</b>
	CD8+CD45RA+CCR7- late effector T cells (%§)	17	25.5 [16.6]	16	21.5 [11.1]	0.424
<i>Other cell subsets</i>	CD56+CD16+CD3- natural killer cells (cell/ul)	18	146.1 [74.0]	22	208.9 [156.7]	0.106
	CD56+CD16+CD3- natural killer cells (%†)	19	9.9 [4.0]	24	8.3 [4.2]	0.197
	TCRαβ+CD3+CD4-CD8- double negative T cells (%¶)	18	2.7 [1.6]	19	2.4 [3.1]	0.691
	CD3+γ+δ+ (%†)	17	4.5 [5.9]	16	4.9 [1.5]	0.661
<i>CD19+ B-cell subsets</i>	CD19+ PAN-B cells (cell/ul)	18	191.0 [150.8]	20	444.5 [284.1]	<b>0.002</b>
	CD19+ PAN-B cells (%†)	19	12.6 [6.6]	21	17.5 [7.2]	<b>0.034</b>
	CD19+IgD+CD27- naïve B cells (%††)	17	79.1 [9.1]	16	76.6 [7.7]	0.416
	CD19+IgM++CD38++ transitional B cells (%††)	17	6.4 [4.3]	16	5.3 [2.5]	0.371
	CD19+IgD+CD27+ memory B cells (%††)	17	9.8 [8.4]	16	8.0 [3.2]	0.426
	CD19+IgD-CD27+ switched memory B cells (%††)	17	2.5 [2.9]	16	10.2 [4.2]	<b>&lt;0.001</b>
	CD19+CD21+ICD38- CD21low B cells (%††)	17	12.6 [11.9]	16	3.9 [1.9]	<b>0.009</b>
	CD19+IgM-+CD38++ plasmablasts (%††)	17	0.7 [0.5]	16	1.6 [1.4]	<b>0.036</b>
<i>Immunoglobulin levels</i>	IgG (mg/dl)‡‡	19	653.5 [369.8]	25	969.0 [264.3]	<b>0.002</b>
	IgA (mg/dl)‡‡	19	74.5 [83.5]	25	150.8 [99.2]	<b>0.010</b>
	IgM (mg/dl)‡‡	19	48.6 [33.0]	24	92.0 [40.1]	<b>&lt;0.001</b>

Abbreviations: IEI, Inborn errors of immunity; obs, observations; WBC, white blood cells.

† % total lymphocytes.

‡ % total CD4+ cells.

§ % total CD8+ cells.

¶ % TCRαβ+CD3+ cells.

†† % total CD19+ cells

‡‡ SI conversion factor: To convert IgG/IgA/IgM to g/L, multiply values by 10<sup>2</sup>.