

Table S1-Oligonucleotide sequences of primers used in this study for quantitative real time PCR

Genes	Forward	Reverse
<i>CTLA4</i>	F; 5'-GCAGCAGTTAGTTCGGGGTT-3'	R; 5'-CTGTTGGGGGCATTTTCACA-3'
<i>GAPDH</i>	F; 5'-GAGAAGGCTGGGGCTCATTT-3'	R; 3'-TAAGCAGTTGGTGGTGCAGG-5'

Table S2. Comparing CD4⁺ T cell subsets of healthy controls (HC), LRBA and CVID patients

Type of manifestation	HC (N=8)	Patients			
		LRBA (N=8)	<i>p</i> -value	CVID (N=8)	<i>p</i> -value
Lymphocyte, (cell/ μ L)	2100(1700-1500)	2100(1700-4000)	0.67	1800(1300-4100)	0.63
CD4 ⁺ T cell (% of lymphocyte)	46.9(44.0-51.5)	41.1(21.1-46.4)	0.05	37.0(27.2-48.7)	0.05
CD4 ⁺ T cell (cell/ μ L)	988.5(847.5-1270.7)	925.0(503.5-1212.0)	0.46	691.9(518.5-1833.6)	0.17
CD4 ⁺ CD25 ^{high} FOXP3 ⁺ CD127 ^{low} T cell (% of CD4 ⁺ T cell)	1.8(1.1-2.5)	0.30(0.12-0.95)	0.01*	0.65(0.36-1.4)	0.02*
CD4 ⁺ CD25 ^{high} FOXP3 ⁺ CD127 ^{low} T cell (cell/ μ L)	17.3(10.5-29.3)	2.0(1.1-8.6)	<0.01*	4.5(1.3-16.2)	0.03*
FOXP3 MFI	14.3(11.2-23.9)	10.5(7.8-17.1)	0.16	11.5(9.6-17.1)	0.16
CD4 ⁺ CD25 ^{high} CD127 ^{high} T cell (% of CD4 ⁺ T Cell)	4.0(2.6-6.2)	4.5(2.7-7.9)	0.52	3.9(2.8-5.5)	0.91
CD4 ⁺ CD25 ^{high} CD127 ^{high} T cell (cell/ μ L)	36.3(25.8-87.0)	28.1(15.6-53.2)	0.40	17.4(9.4-38.4)	0.12
CD25 MFI	3.3(3.0-3.5)	3.1(2.8-4.1)	0.77	3.1(2.9-3.3)	0.43

MFI: Mean fluorescence intensity, FOXP3: forkhead box P3,

Data are presented as median (75th-25th interquartile range).

**p* values <0.05 were regarded significant.