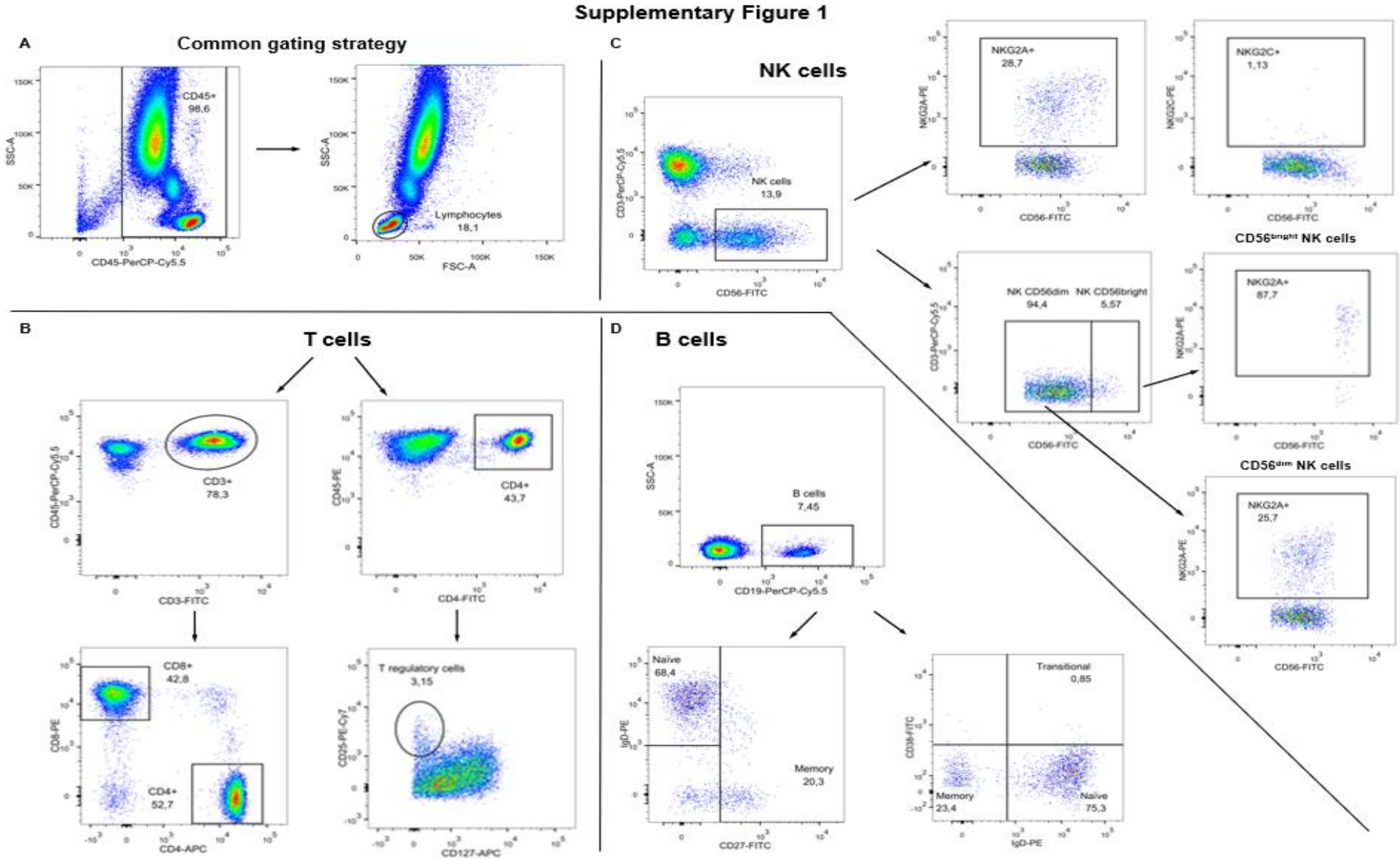
Supplementary file

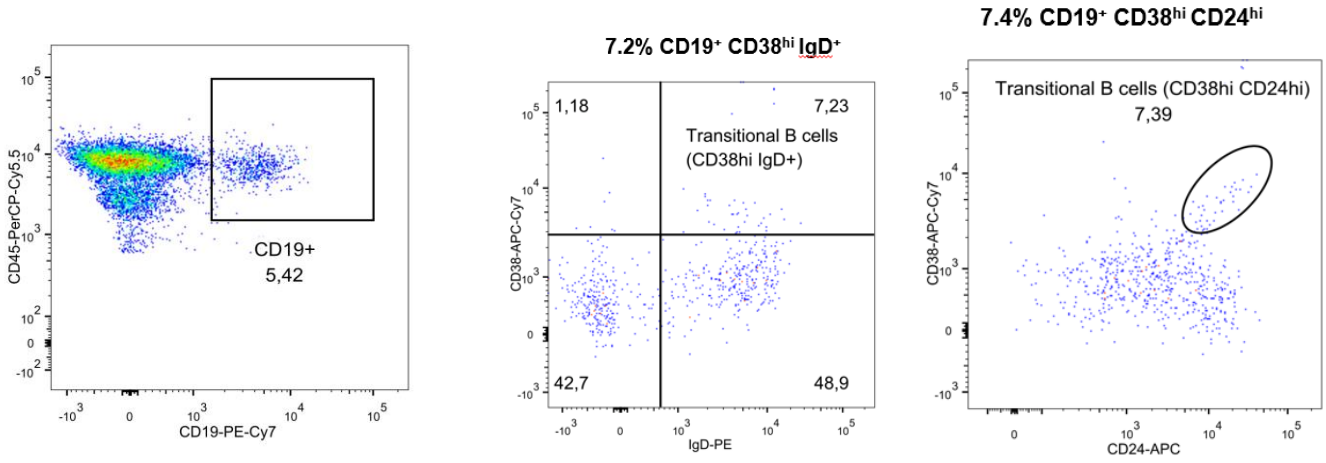
Supplementary Table 1. Antibodies used in the study. The table summarizes antigen, clone, fluorochrome and company for each antibody used in the study. NK-cell subsets NKG2A$^+$ and NKG2C$^+$ were identified by indirect immunofluorescence staining using a PE-conjugated F(ab')2 goat anti-mouse IgG + IgM secondary antibody.

Antigen	Clone	Fluorochrome	Company
CD3	SK7	FITC / APC / PerCP-Cy5.5	BD Biosciences™
CD4	SK3	APC / PerCP-Cy5.5	BD Biosciences™
CD8	SK1	PE	BD Biosciences™
CD19	SJ25C1	PerCP-Cy5.5	BD Biosciences™
CD27	L128	FITC	BD Biosciences™
CD38	HB-7	FITC	BD Biosciences™
CD45	2D1	PE / APC / PerCP-Cy5.5	BD Biosciences™
CD56	NCAM 16.2	FITC	BD Biosciences™
IgD	IA6-2	PE	BD Biosciences™
CD4/CD25/CD127 Regulatory T cell kit		FITC/PE-Cy7/APC	BD Biosciences™
NKG2A	Z199		Provided by Dr. A. Moretta
NKG2C	MAB1381		R&D systems™
F(ab')2 goat anti-mouse IgG + IgM		PE	Jackson ImmunoResearch™

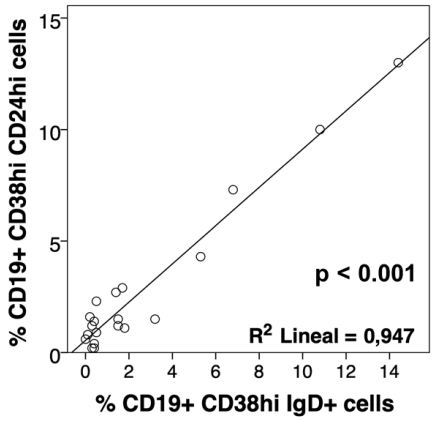

Supplementary Figure 1
A
Common gating strategy
CD45+
98,6
SSC-A
CD45-PerCP-Cy5.5
Lymphocytes
18,1
FSC-A
B
T cells
CD3+
78,3
CD45-PerCP-Cy5.5
CD3-FITC
CD4+
43,7
CD45-PE
CD4-FITC
CD8+
42,8
CD4+
52,7
CD8-PE
CD4-APC
T regulatory cells
3,15
CD25-PE-Cy7
CD127-APC
C
NK cells
NK cells
13,9
CD3-PerCP-Cy5.5
CD56-FITC
NKG2A+
28,7
NKG2A-PE
CD56-FITC
NKG2C+
1,13
NKG2C-PE
CD56-FITC
CD56bright NK cells
NK CD56dim
94,4
NK CD56bright
5,57
CD3-PerCP-Cy5.5
CD56-FITC
NKG2A+
87,7
NKG2A-PE
CD56-FITC
CD56dim NK cells
NKG2A+
25,7
NKG2A-PE
CD56-FITC
D
B cells
B cells
7,45
SSC-A
CD19-PerCP-Cy5.5
Naïve
68,4
IgD-PE
Memory
20,3
CD27-FITC
Transitional
0,85
CD38-FITC
Memory
23,4
Naïve
75,3
IgD-PE

Supplementary Figure 1. Gating strategy for flow cytometry analysis of PBL populations. Representative flow cytometry plots from the same patient illustrate the gating strategy used for the study. (A) $CD45^+$ and lymphocyte gates were common into all analysis. (B) Gating strategy of T cells, (C) NK cells and (D) B cells.

A



B



Supplementary Figure 2. Characterization of transitional B cells. (A) Representative flow cytometry plots from the same patient, including or not CD24 staining. (B) Correlation graph and Pearson correlation value for the $CD19^{+}CD38^{hi}IgD^{+}$ and $CD19^{+}CD24^{hi}CD38^{hi}$ populations.