Supplementary Figure 1. Purity control of isolated (A) CD19⁺ B cells and (B) CD14⁺ monocytes at d1, d4 and d8. Each data point represents an individual patient/healthy control (n = 10 per group). Horizontal line within the box marks the median, boxes depict the IQR and whiskers indicate the total range.
Supplementary Figure 2. **Representative gating strategy for the analysis of monocytes and B cells in whole blood.** Single cells were gated from all cellular events. Monocytes were identified as CD14$^+$, PD-L1, PD-L2 and VISTA expression levels were determined via Mean Fluorescence Intensity (MFI) minus background MFI of FMO controls (depicted in grey). B cells were identified as CD19$^+$ and further characterized as pre-switched memory B cells (CD20$^+$, CD27$^+$, IgD$^+$), post-switched memory B cells (CD20$^+$, CD27$^+$, IgD$^-$), naïve B cells (CD20$^+$, CD27$^-$, IgD$^+$), plasmablasts (CD20$^-$, CD38$^+$), exhausted B cells (CD20$^+$, CD27$^-$, CD21$^{low}$) and immature ‘transitional’ B cells (CD24$^{bright}$, CD38$^{bright}$). FMO controls were used for proper gating of CD27 and IgD positive cells.
Supplementary Figure 3. **Representative gating strategy for quantification of HLA-DR.** (A) Single cells were gated from all cellular events. B cells were identified as CD19$^+$ and CD20$^+$ and HLA-DR was determined by MFI minus background MFI of FMO control (depicted in grey). (B) Monocytes were identified as CD14$^+$. The average number of HLA-DR molecules per monocyte was quantified using BD Quantibrite PE tubes.
Supplementary Figure 4. (A) Glycolytic spare capacity, (B) ATP-production linked respiration and (C) proton leak of monocytes (CD14^+) and (D) glycolytic spare capacity and (E) respiratory spare capacity of B cells (CD19^+) was calculated at d1, d4 and d8 using PER and OCR. Each data point represents an individual patient/healthy control (n = 10 per group). Horizontal line within the box marks the median, boxes depict the IQR and whiskers indicate the total range. Group comparisons were performed by Mann-Whitney U test.
Supplementary Figure 5. Frequencies of (A) immature ‘transitional’ B cells (CD19⁺, CD24bright, CD38bright) and (B) exhausted B cells (CD19⁺, CD20⁺, CD27⁻, CD21low/). Plasma concentration of (C) IgA and (D) IgM. Each data point represents an individual patient/healthy control (n = 10 per group). Horizontal line within the box marks the median, boxes depict the IQR and whiskers indicate the total range. Group comparisons were performed by Mann-Whitney U test.