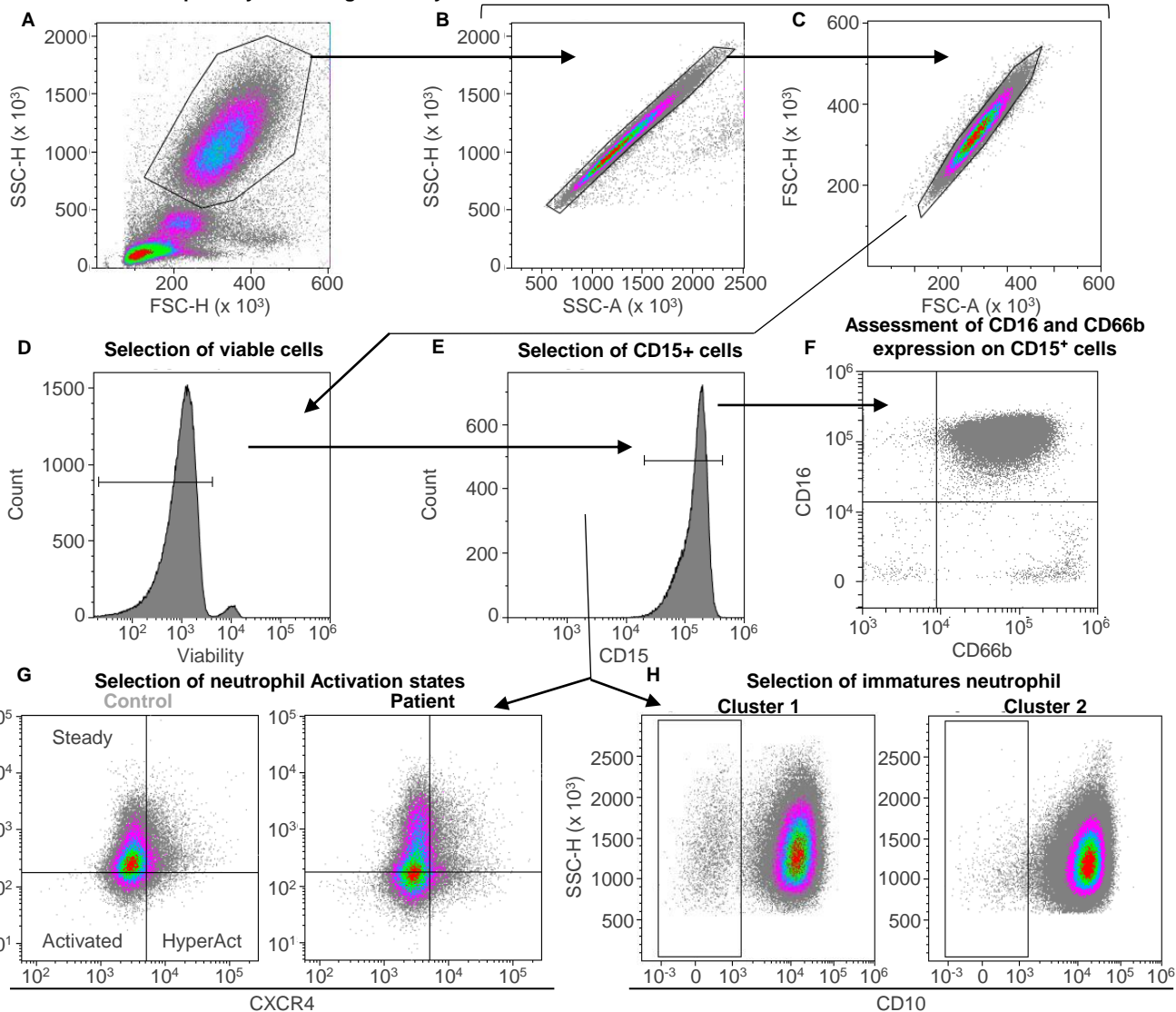
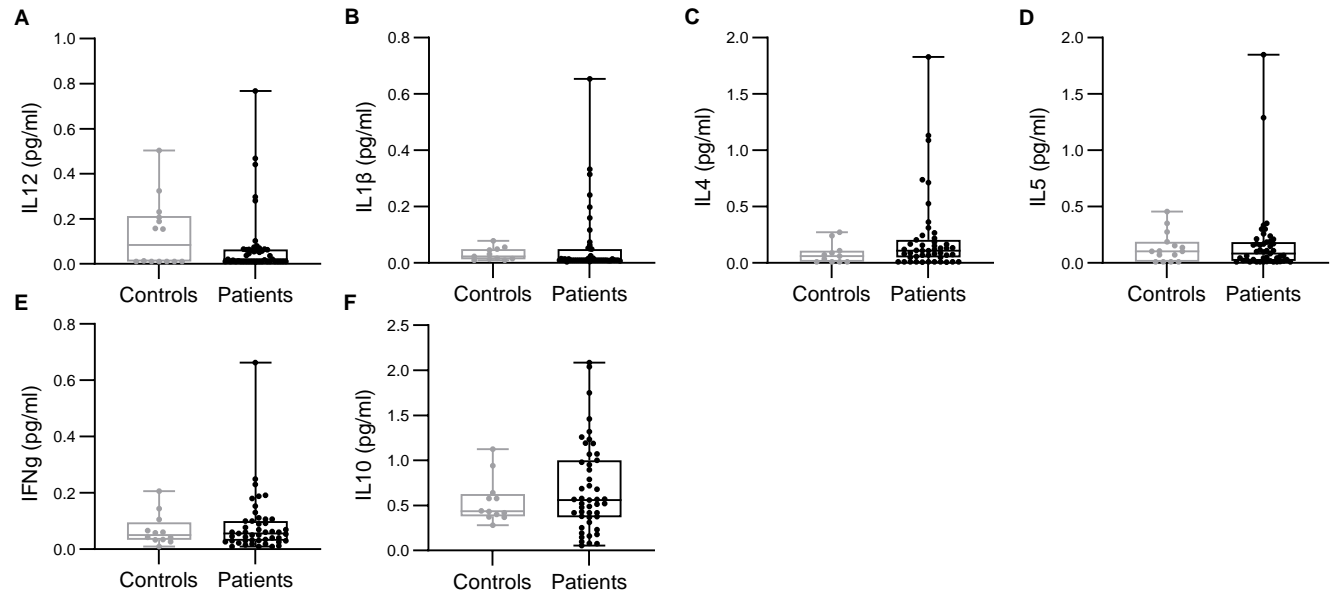


Selection of neutrophils by size and granularity

Supporting Figure 1: Gating strategy for flow cytometry analysis of neutrophils (A) Initial identification of the neutrophil population based on forward scatter (FSC) and side scatter (SSC) properties. **(B–C)** Doublet exclusion within the neutrophil gate using SSC-H/SSC-A followed by FSC-H/FSC-A parameters. **(D)** Selection of viable cells. **(E)** Selection of CD15⁺ cells. **(F)** Assessment of CD16 and CD66b expression on CD15⁺ cells. **(G)** Identification of neutrophil activation states: steady (CXCR4⁺CD62L⁺), activated (CXCR4⁺CD62L^{low}), and hyperactivated (CXCR4^{high}CD62L^{low}). **(H)** Detection of immature neutrophils based on CD10⁻ expression.



Supporting Figure 2 : Cytokines concentration in sera of patients with epilepsy

(A-F) Graphics displaying cytokines concentrations in sera of control (grey) and epileptic patients (black) and expressed in pg/ml. Data are shown as box-and-whisker plots with individual values overlaid; boxes represent the interquartile range, the horizontal line indicates the median, and whiskers extend to the minimum and maximum values.

Data are shown as box-and-whisker plots with individual values overlaid; boxes represent the interquartile range, the horizontal line indicates the median, and whiskers extend to the minimum and maximum values. Normality was assessed using the Shapiro-Wilk test; subsequently, Student's t-test or Mann-Whitney test was conducted. *P<0.05, **P<0.01, ***P<0.001.

