

Frequent, high density expression of surface CD38 as a potential therapeutic target in adult T-lineage acute lymphoblastic leukemia

Sebastian Koslowski,¹ Rainer Glauben,² Stefan Habringer,^{1,3} Thomas Burmeister,⁴ Ulrich Keller,^{1,3,5} Monika Brüggemann,^{6,7} Nicola Gökbuget,^{3,8} and Stefan Schwartz^{1,3}

¹Department of Hematology, Oncology and Cancer Immunology (Campus Benjamin Franklin), Charité - Universitätsmedizin Berlin, corporate member of Freie Universität and Humboldt-Universität zu Berlin, Berlin; ²Department of Gastroenterology, Infectious Diseases and Rheumatology (Campus Benjamin Franklin), Charité - Universitätsmedizin Berlin, corporate member of Freie Universität and Humboldt-Universität zu Berlin, Berlin; ³German Cancer Consortium (DKTK) and German Cancer Research Center (DKFZ), Heidelberg; ⁴Department of Hematology, Oncology and Cancer Immunology (Campus Virchow-Klinikum), Charité - Universitätsmedizin Berlin, corporate member of Freie Universität Berlin and Humboldt-Universität zu Berlin, Berlin; ⁵Max-Delbrück-Center, Berlin; ⁶University Cancer Center Schleswig-Holstein

(UCCSH), University Hospital Schleswig-Holstein, Kiel; ⁷Department of Medicine II, Hematology and Oncology, University Hospital Schleswig-Holstein, Kiel and ⁸ Medizinische Klinik II, Universitätsklinikum der Johann-Wolfgang-Goethe Universität, Frankfurt/Main, Germany

Correspondence:

S. SCHWARTZ - stefan.schwartz@charite.de

<https://doi.org/10.3324/haematol.2023.283814>

Received: June 22, 2023.

Accepted: September 1, 2023.

Early view: September 7, 2023.

©2024 Ferrata Storti Foundation

Published under a CC BY-NC license 

Supplement

Figure S1. Median fluorescence intensities (MFI) of all 121 T-ALL samples.

Separated according to T-ALL and normal, residual T cells. The medians (—) were 8.12 for T-ALL cells and 0.95 for normal, residual T cells ($p < 0.0001$).

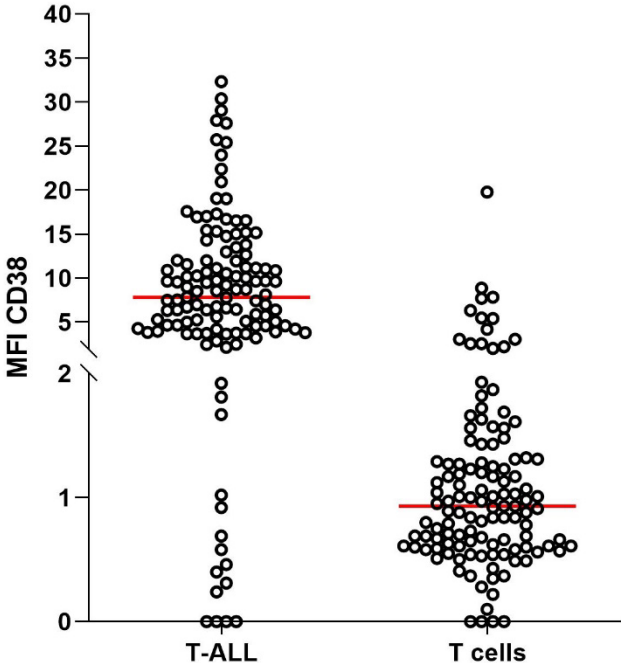


Figure S2. A Gated bead singlets (at least 10,000 events), **B** fluorescence intensities of calibration beads conjugated with four levels of phycoerythrin (Low, MedLow, MedHigh, High), and **C** regression line for the calculation of the density of CD38 molecules per cell.

