Identification of a panel of ten cell surface protein antigens associated with immunotargeting of leukemias and lymphomas by peripheral blood γδ T cells

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Online Supplementary Table S1-S9. SEE PDF Suplementary_Tables.xls

Online Supplementary Figure S1. Selective Vγ9+ T cell expansion and activation. Percentage of Vγ9+ T cells in fresh PBMCs (left plot) and upon stimulation with HMB-PP (1 nM) and IL-2 (100 U/ml) for 12 days (right plot). CD69 reports the activation status of the cells. These results are representative of all healthy donors used in this study (range of Vγ9+ enrichment: 90-98%).
Online Supplementary Figure S3. Real-time quantitative PCR data for the 22 candidate genes encoding cell surface proteins identified as differentially expressed by cDNA microarray analysis (as described in Figure 3), in a panel of 6 γδ-susceptible and 4 γδ-resistant cell lines (separated by dashed line). mRNA expression levels were normalized to housekeeping genes GUSB and PSMB6. Error bars correspond to three independent experiments.

Online Supplementary Figure S2. γδ-PBL-mediated lysis of leukemia/lymphoma cells. Killing assay results for leukemia/lymphoma cell lines using 12-day cultured (as in Supplementary Figure 1) γδ-PBL obtained from 3 independent healthy donors (A); and γδ T cells pre-isolated by MACS and cultured for 12 h on plain medium (RPMI) or supplemented with HMB-PP and IL-2 (B). Plotted are percentages of Annexin-V+ (dead) cells.
Online Supplementary Figure S4. HLA class I expression on leukemia/lymphoma cells. Surface HLA class I expression in γδ-susceptible cell lines (A) or γδ-resistant cell lines (B), as analyzed by flow cytometry with anti-HLA-ABC mAb (W6/32). Shaded is isotype control staining.