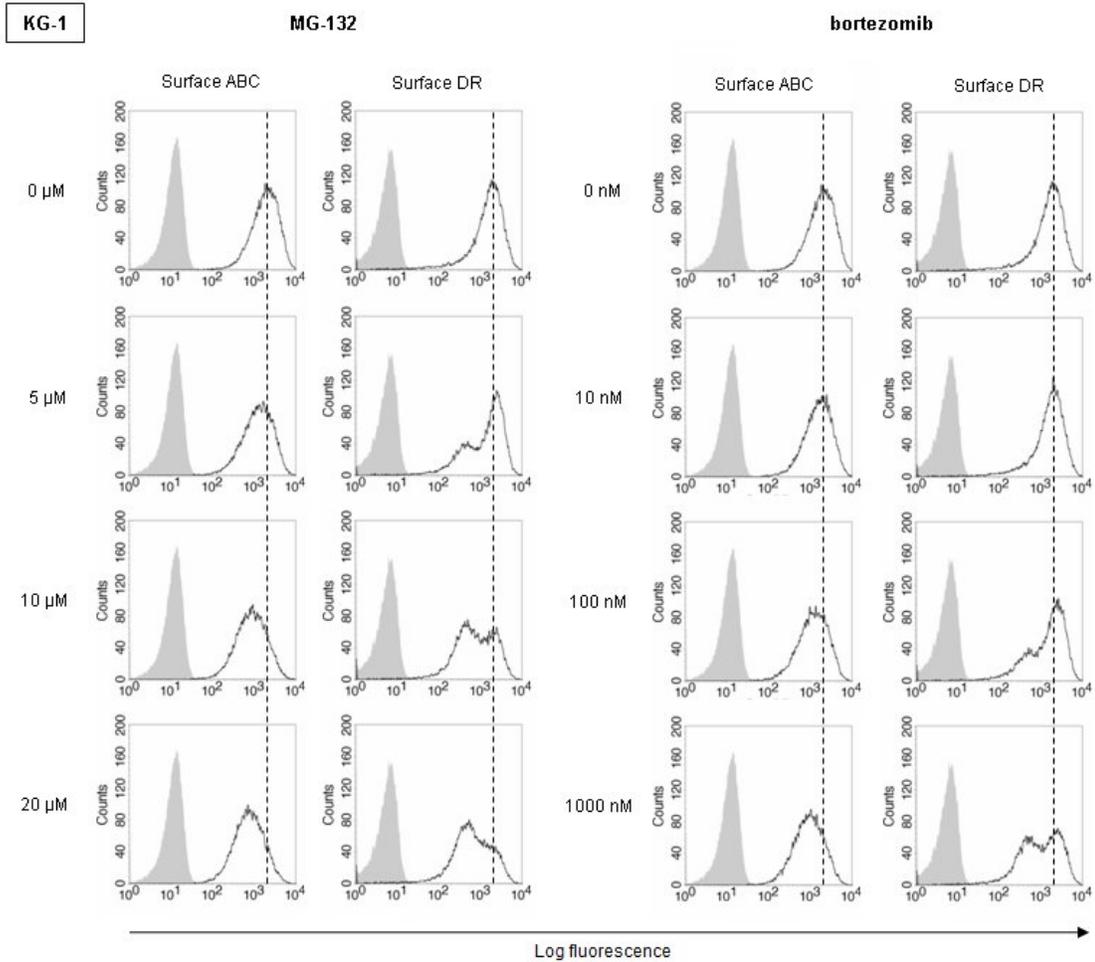
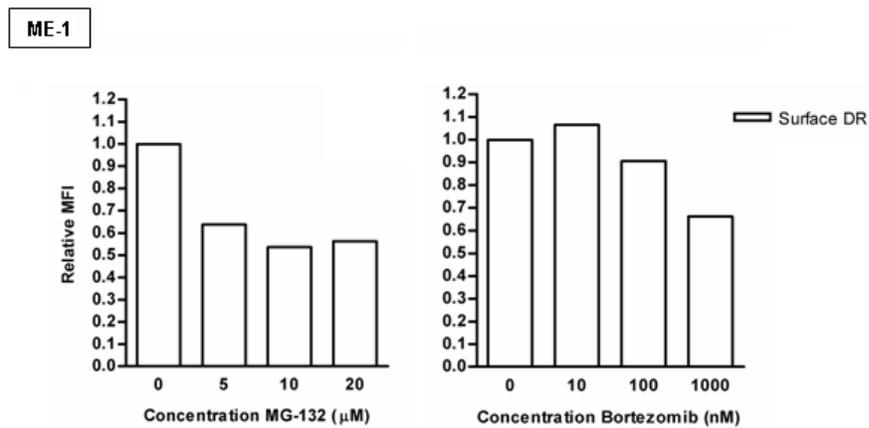
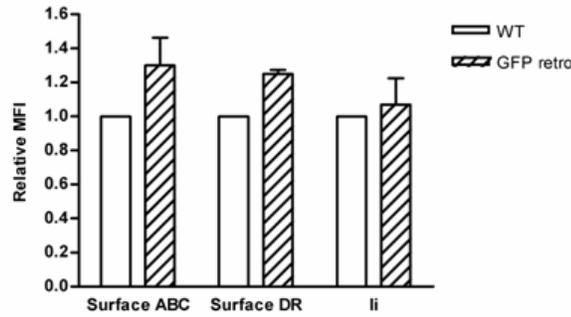


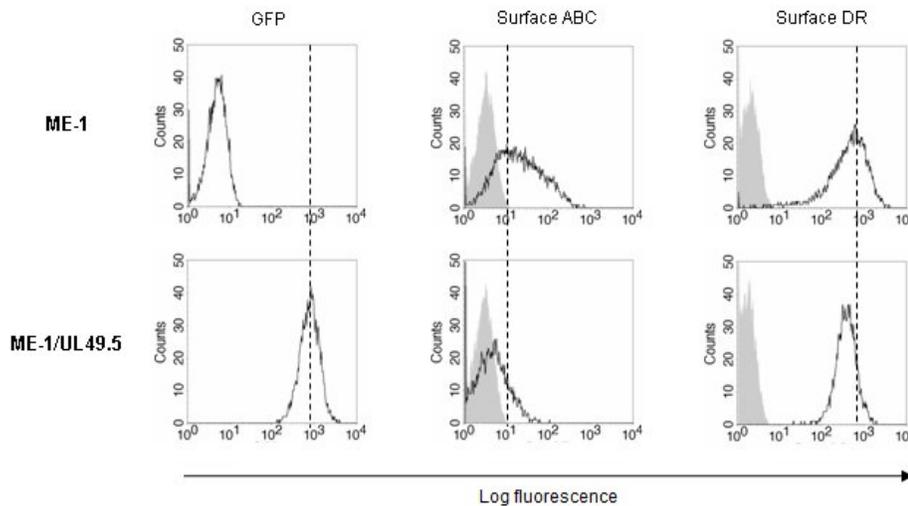
a**b**

Supplemental Fig. S1 Representative experiments showing the dose-dependent effect of proteasome inhibition on the expression of HLA-DR at the KG-1 (a) and ME-1 (b) plasma membrane. Histograms (*unfilled peaks*) with their corresponding IgG controls (*filled peaks*) are shown for blasts treated with increasing concentrations of the MG-132 and bortezomib proteasome inhibitor.

KG-1



Supplemental Fig. S2 Control experiments for the retroviral transduction effect on surface HLA class I ('ABC'), surface HLA-DR and li expression. We performed two independent transductions of KG-1 blasts with irrelevant GFP-encoding retrovirus and related MFI values (\pm SEM) on GFP-gated transduced ('GFP retro') blasts to those on wild type ('WT') blasts.



Supplemental Fig. S3 TAP inhibition in the CLIP⁻ ME-1 leukemic cell line and the effect on HLA-DR levels at the plasma membrane. ME-1 blasts were transduced with GFP-encoding UL49.5 retrovirus and analyzed for HLA class I ('ABC') and HLA-DR expression after flow cytometric sorting of GFP-expressing blasts. Histograms of GFP-gated blasts are depicted.

