



Figure 2: Flow cytometry analysis and results of cytotoxicity assays: A. Morphologic Dot plot of peripheral blood cells isolated at Dg, R2 and R3 relapses and used for phenotype analysis, showing on R3 sample appearance of monocytic population which was secondly analysed and was CD14⁺, HLA-DR^{neg}, CD33⁺, CD11b^{high}. B. ⁵¹Cr cytotoxic assays over 4h : Analyse of sensitivity of ALL to cytotoxic activity of a purified autologous anti-CD19 CAR-T cells preparation (BLCL : B cell lineage used as control) C. Co-culture assays over 24h: ALL viable residual cells at 3 time points of co-culture H0 (starting point), H4 after 4 hours of co-culture, H24 after 24 hours of co-culture (Diagnosis ALL in black curve ; R2 relapse in dark grey and R3 relapse in light grey) with a purified autologous anti-CD19 CAR-T cells preparation.