



**Supplementary figure 2:** FACS analysis of cell lines used as targets for expression of FLT3 and HLA-A2 on the surface. Cells were stained with antibodies against human FLT3 conjugated to Alexa Fluor 647 and HLA-A2 conjugated to PE or isotype matched controls. K562, SEM and MV4;11 cell lines were transduced with HLA-A2 molecule. K562, K562/HLA-A2 and THP1 cells were transduced to overexpress FLT3.