



S2 Fig. Expression of HBV-specific TCRs. (A) Schematic representation of both TCR chains cloned as separate transgene cassette into the retroviral vector MP71. (B-D) CD3 mobilization to the cell surface of Jurkat cells that do not express an endogenous TCR indicates expression of a TCR introduced by retroviral transduction. PBMC were pre-gated on CD4⁺ and CD8⁺ T cells. MHC Streptamer and CD3 staining of TCRs two days after retroviral transduction with TCR α and β chains of C18-specific (B), S20-specific (C), or S172-specific (D) T cells. From clone 4G two TCR α chains had been identified and were therefore tested separately in combination with the identified 4G β chain. (E) PBMC were transduced with a pair of retroviruses encoding either TCR α or β chain. Transduced PBMC were co-cultured with T2 cells loaded with 1 μM of peptide (E:T 1:3 up to 1:40, depending on transduction efficiency). After 20 hours, supernatants were analyzed for IFN-γ concentration.