Figure 2. Isolation of HIV-1 PICs and activity. (A) Magnetic separation of functional HIV-1 PICs. The PIC integrates HIV-1 DNA into the ~1.5 kb biotinylated non-viral DNA from pNL4-3 plasmid that serves as a target DNA in the in vitro assay. The biotin-target DNA-protein complex is then isolated using streptavidin magnetic beads after incubation at room temperature (RT) for 30 minutes. (B) Integration activity of HIV-1 PICs. The integration activity of the PICs isolated from SupT1/H9-HTLVIIIIB cell co-cultures (set to 100 percent) and that in the cytoplasmic extract from SupT1/H9 cell co-cultures, using biotin-target DNA, is shown. The analysis was performed as described previously [5].