

FIG. 1A

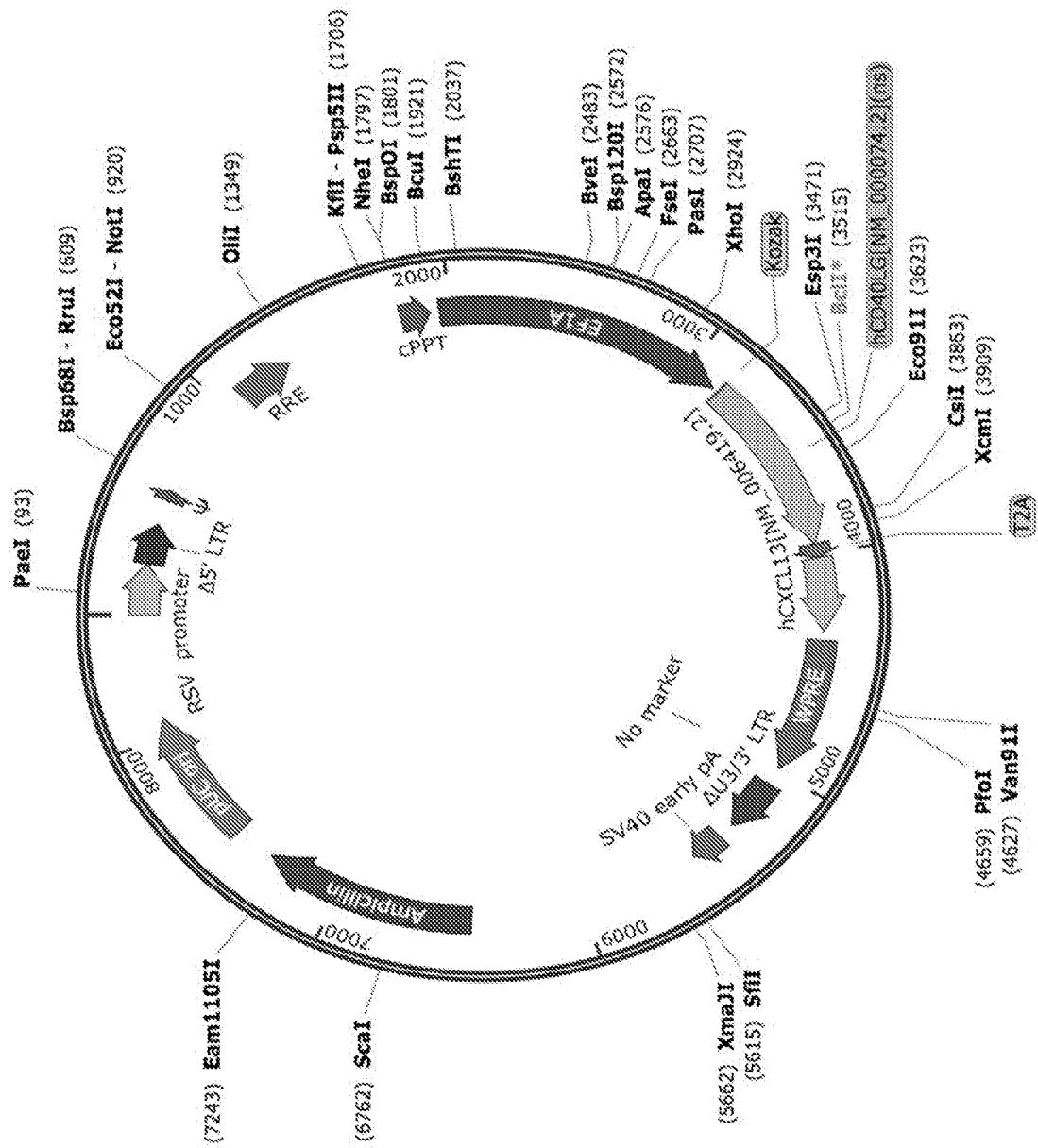


FIG. 1B



FIG. 2

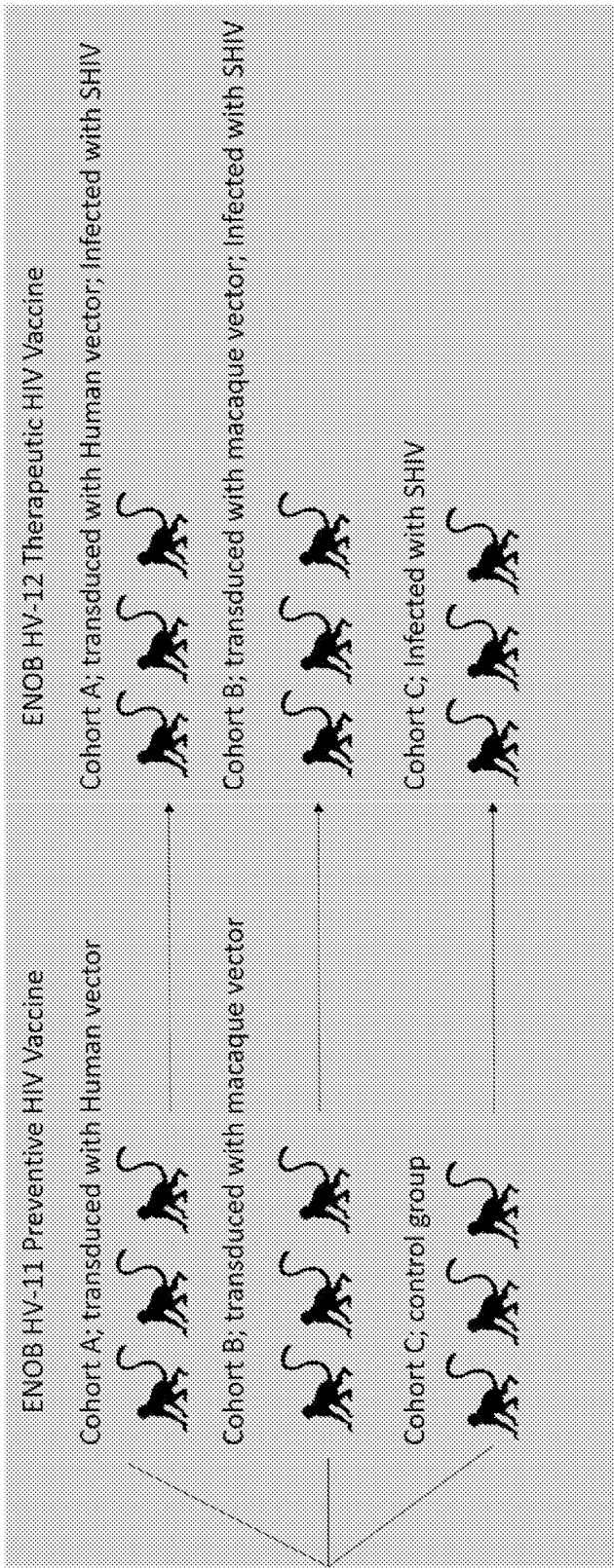


FIG. 3

Cohorts	Number of NHP per Cohort	Injection Route	LV used for LV cell LV Start with 5 million cells per week	Round 1 (if there is reaction after the 1 st injection reduce the dose to 2 million cells)	Minimum antiretroviral antibody titer (depending on antibody titer perform challenge or continue to Round 2 & Round 3)	Round 2 (2 million cells per week)	Round 3 (2 million cells per week)	Perform Challenge with SHIV
A	3	Injected s.c.	Research Grade LV with human expression cassettes	1 injection per week for 4 weeks	Measure antibody titer if not	inject every 10 days, for 4 shots and measure antibody titers	inject every 15 days, for 4 shots and measure antibody titers	Challenge with SHIV
B	3	Injected s.c.	Research Grade LV with NHP expression cassettes	1 injection per week for 4 weeks	Measure antibody titer	inject every 10 days, for 4 shots and measure antibody titers	inject every 15 days, for 4 shots and measure antibody titers	Challenge with SHIV
C	3	Injected s.c.	No LV (control group)	1 injection per week for 4 weeks	Measure antibody titer	inject every 10 days, for 4 shots and measure antibody titers	inject every 15 days, for 4 shots and measure antibody titers	Challenge with SHIV

FIG. 4

Contents	Number of MHP per cohort	Injection Route	IV used for 1-4; IV start with 5 million Challenge virus	Round 1 (If dose is successful after the 1 st injection reduce the dose to 2 million units)	Measure neutralizing antibody titer, (depending on antibody titer perform challenge or continue to Round 2 & Round 3)	Round 2 2 million units per week	Round 3 12 million units per week	Posterior challenge with different dose
A	3	Injected s.c.	Research Grade IV with human expression cassettes	2 injection per week for 2 weeks	Measure antibody titer if not	Inject every 10 days, for 4 shots and measure antibody titer	Inject every 15 days, for 4 shots and measure antibody titer	Challenge with HIV
B	3	Injected s.c.	Research Grade IV with MHP expression cassettes	1 injection per week for 4 weeks	Measure antibody titer	Inject every 10 days, for 4 shots and measure antibody titer	Inject every 15 days, for 4 shots and measure antibody titer	Challenge with HIV
C	3	Injected s.c.	Na IV (control group)	1 injection per week for 4 weeks	Measure antibody titer	Inject every 10 days, for 4 shots and measure antibody titer	Inject every 15 days, for 4 shots and measure antibody titer	Challenge with HIV

FIG. 5

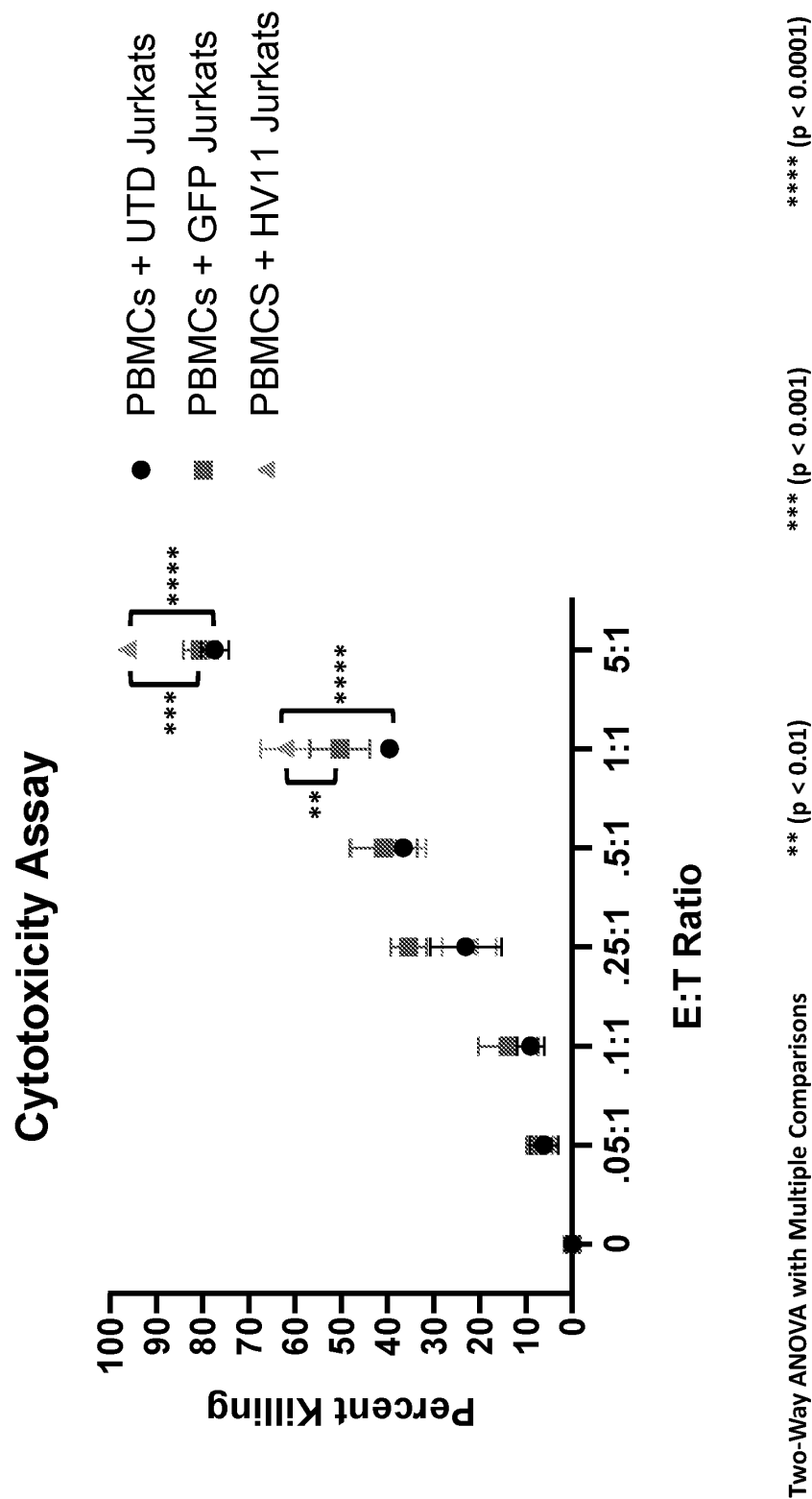
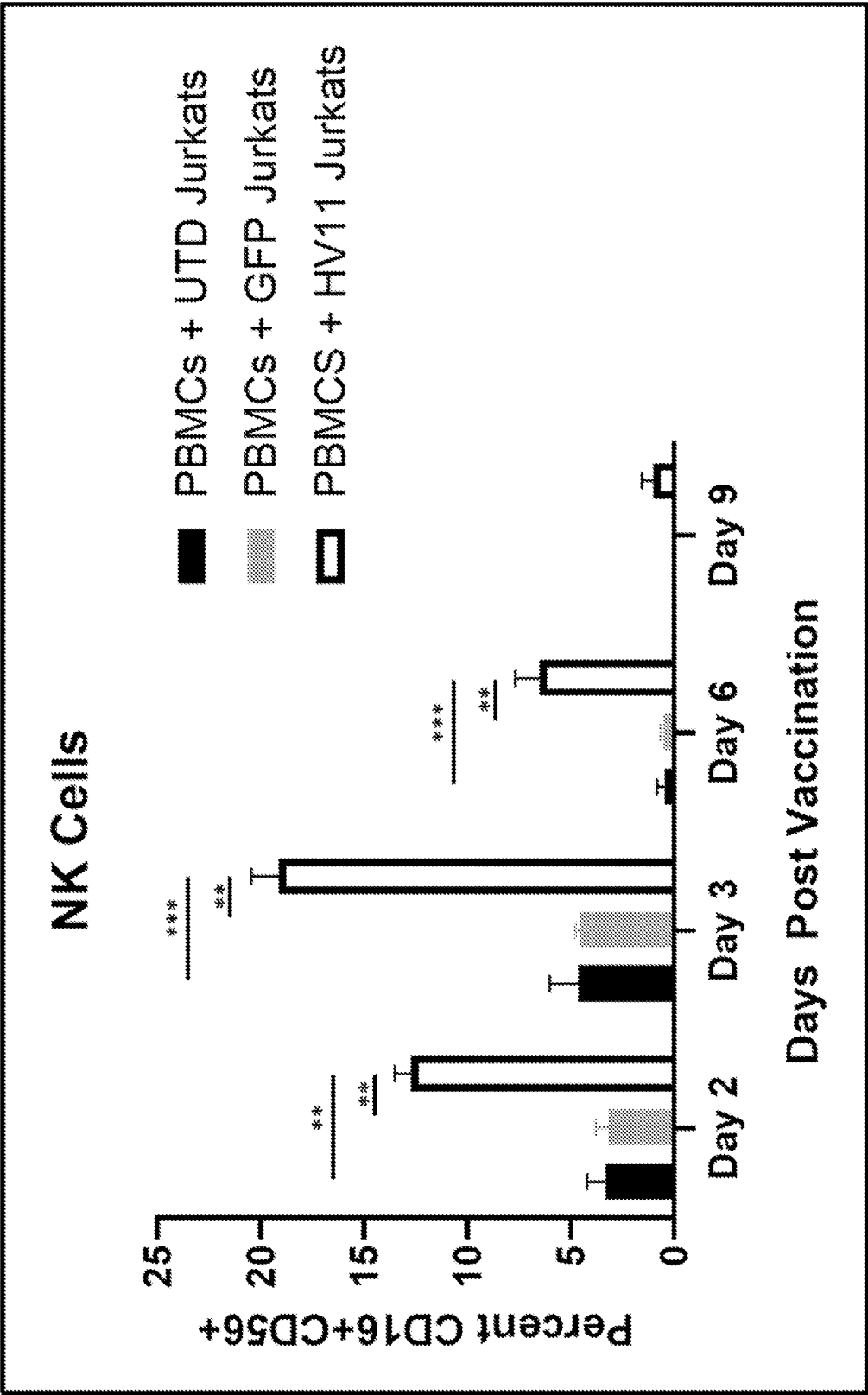
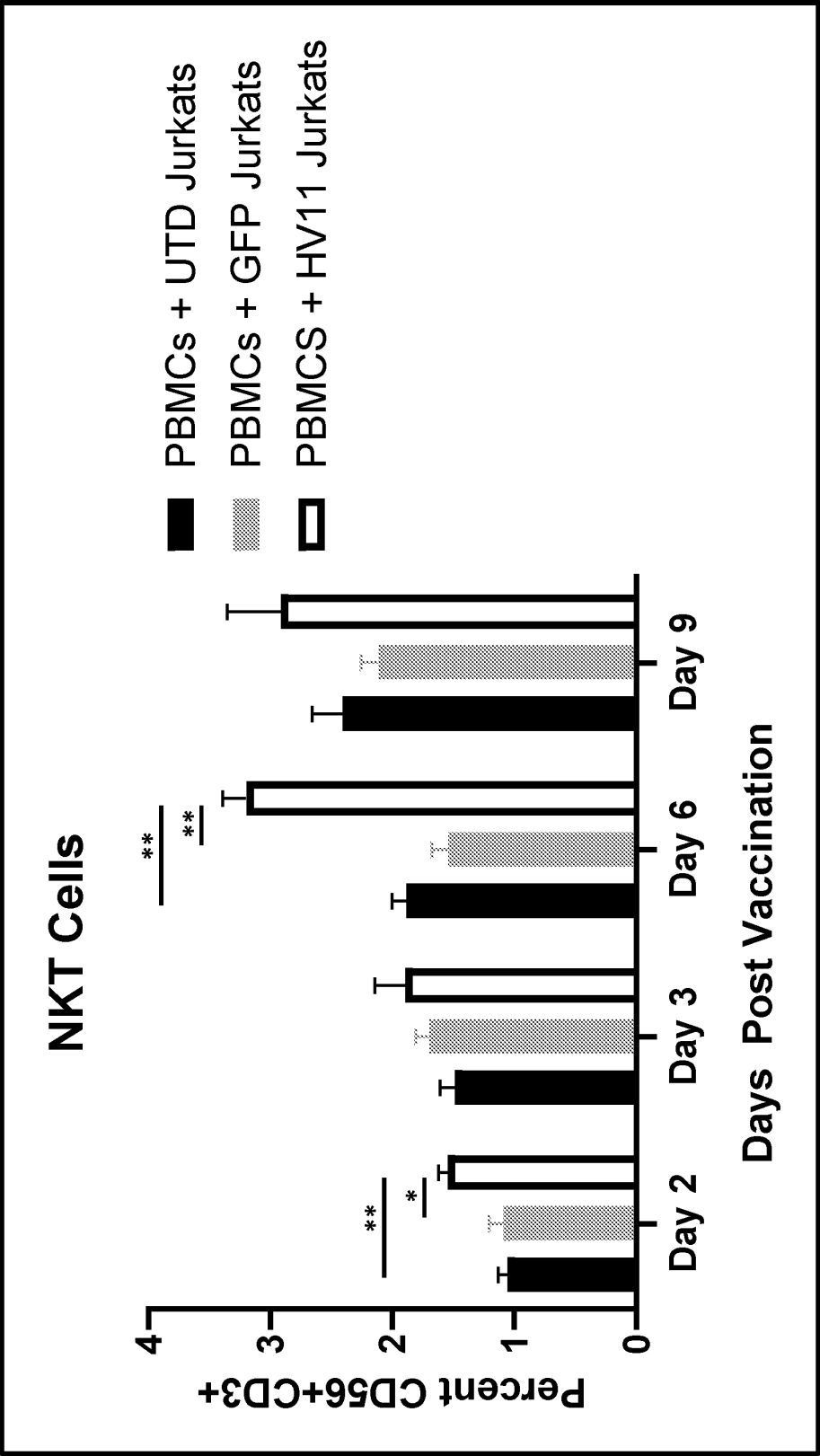


FIG. 6



Two-Way ANOVA with Tukey's Multiple Comparisons Test ** (p < 0.01) *** (p < 0.001)

FIG. 7



Two-Way ANOVA with Tukey's Multiple Comparisons

* (p < 0.05)

** (p < 0.01)

FIG. 8

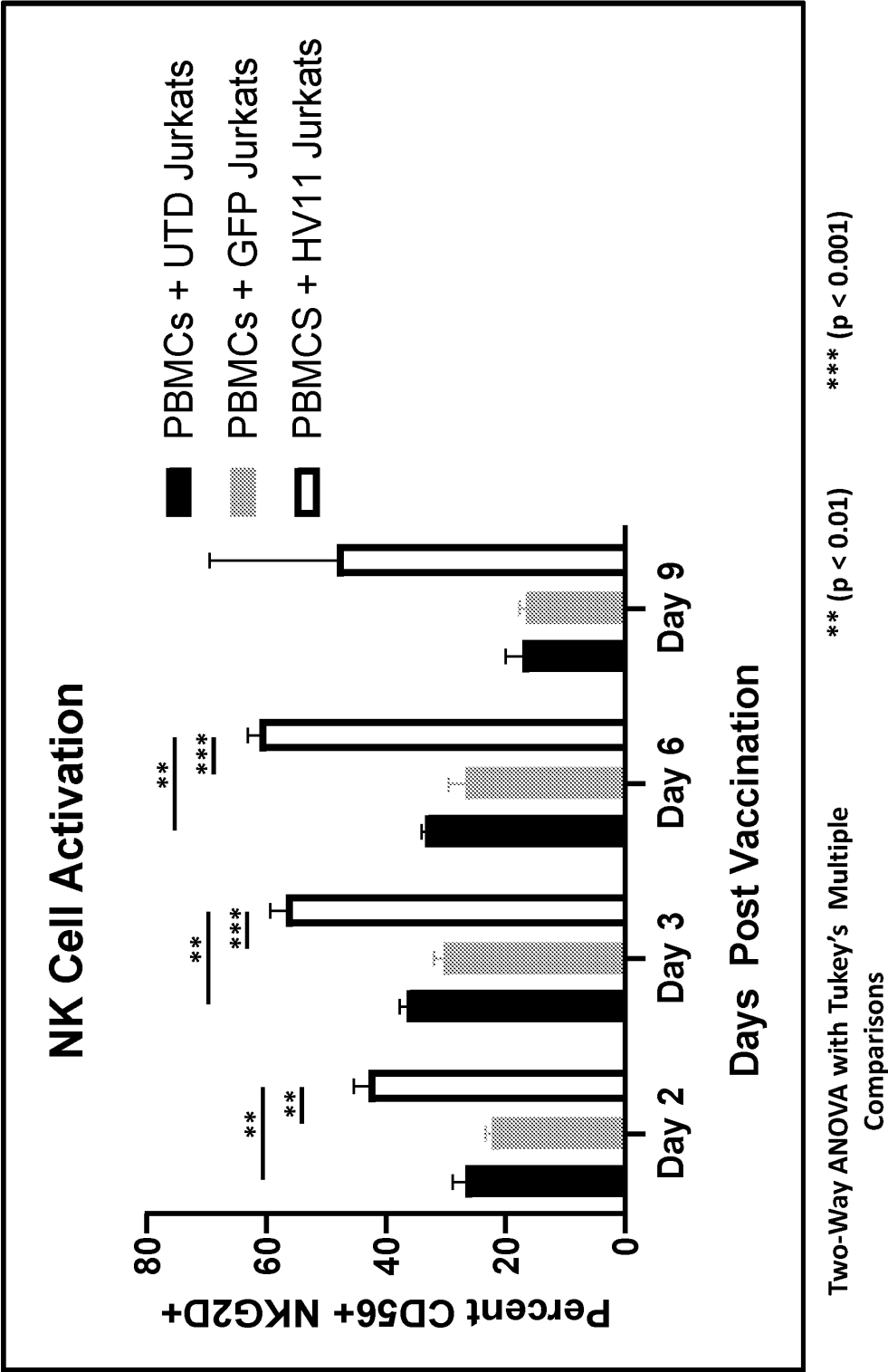


FIG. 9

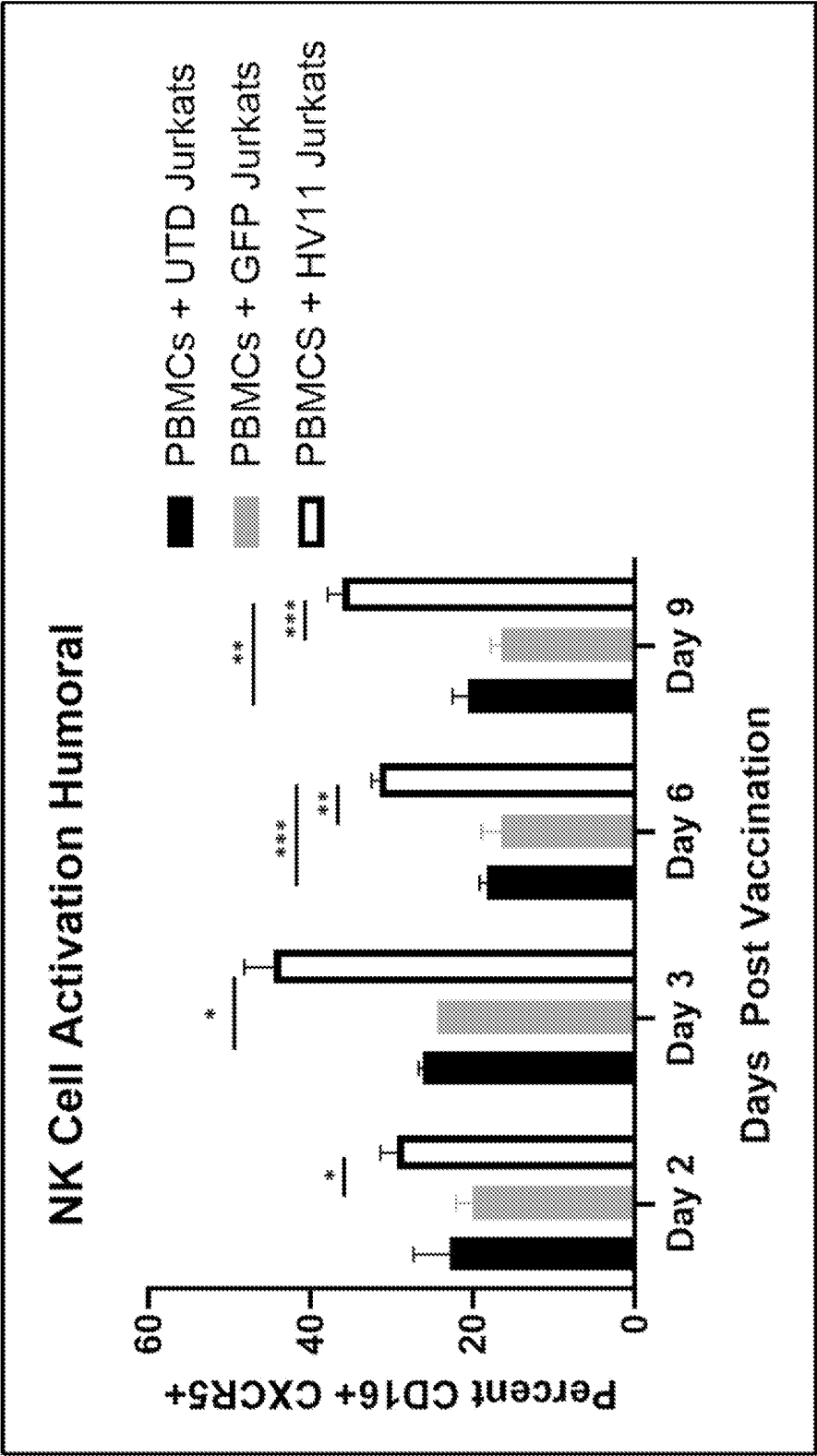
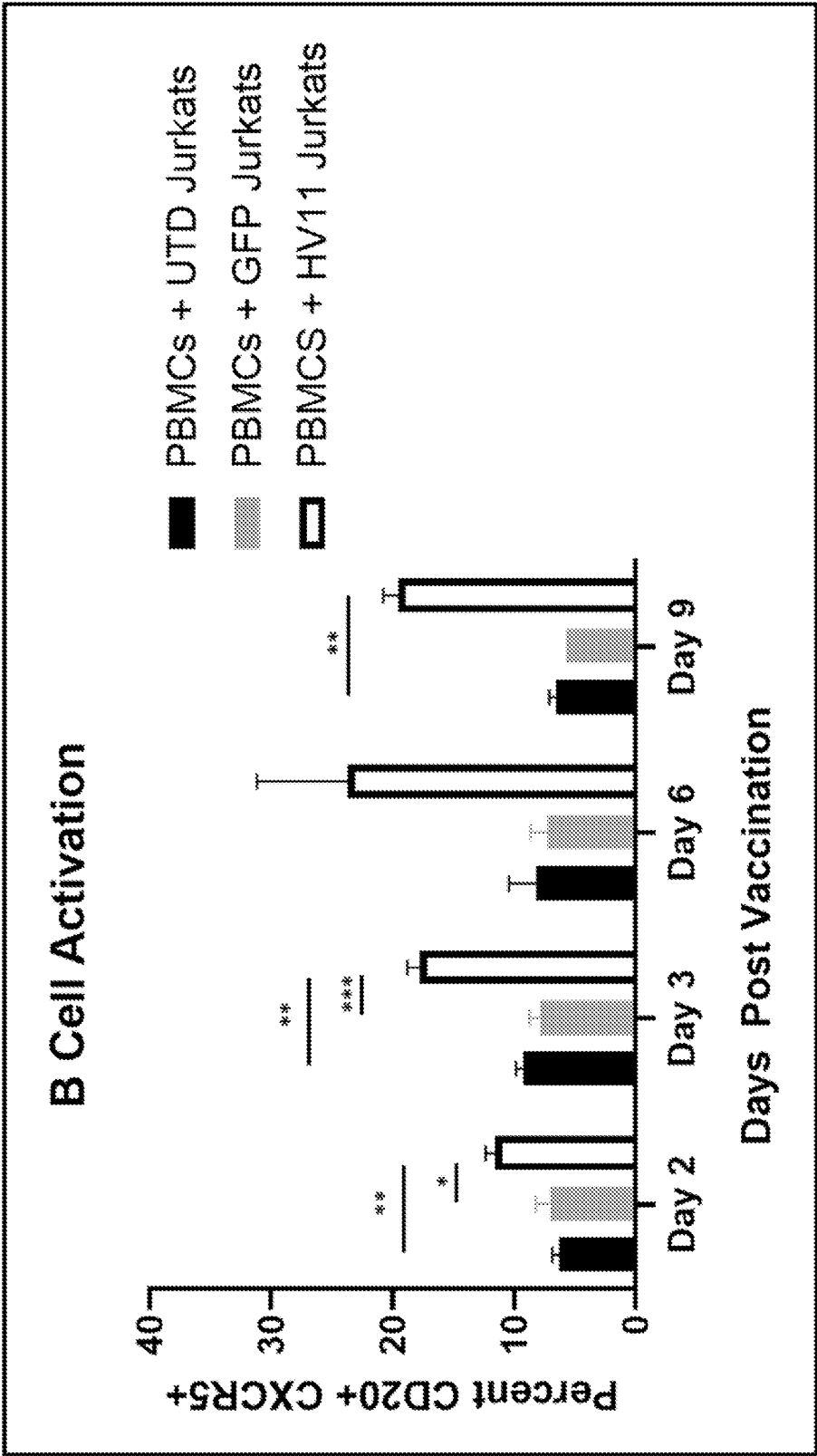
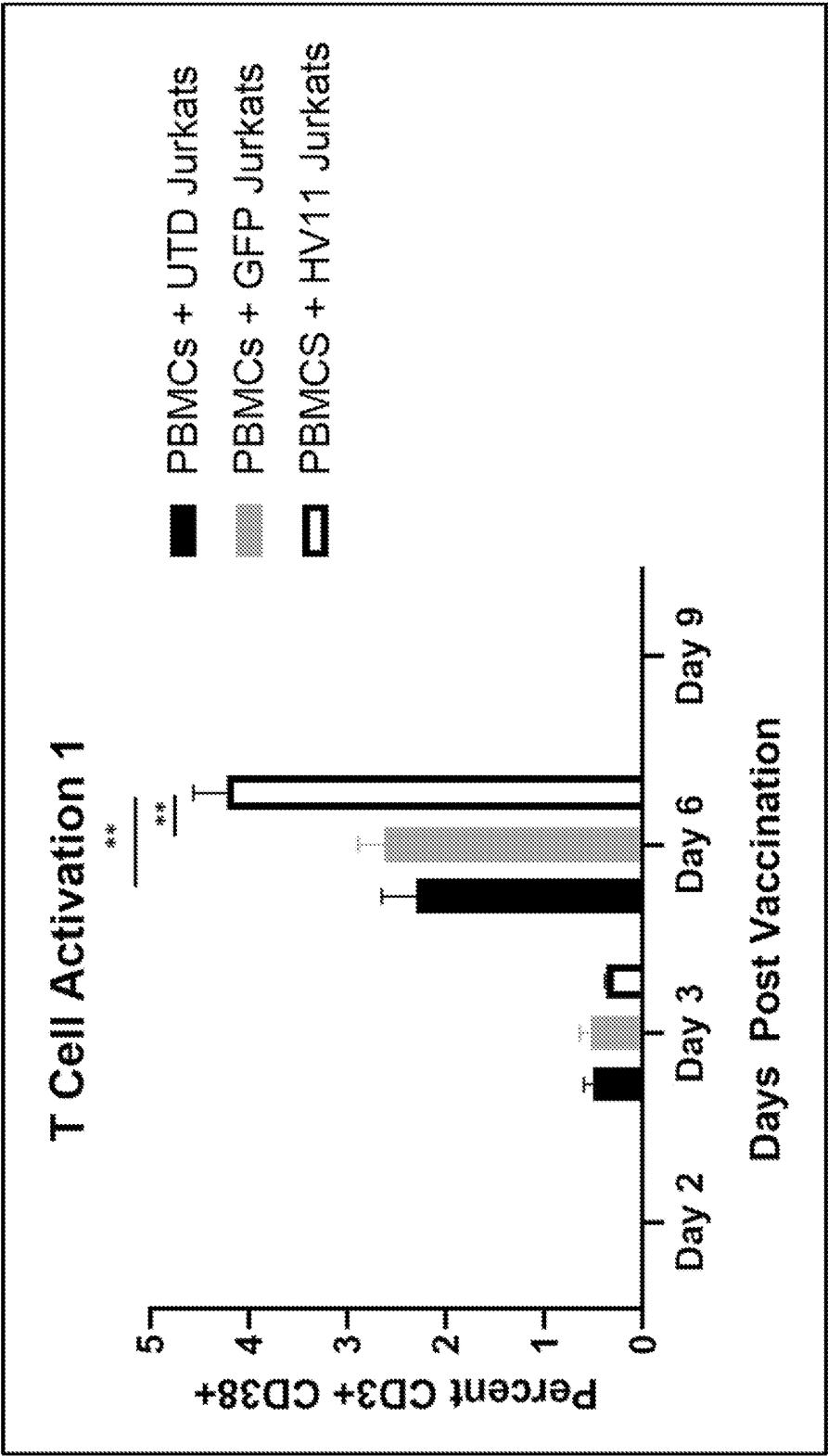


FIG. 10



Two-Way ANOVA with Tukey's Multiple Comparisons * (p < 0.05) ** (p < 0.01) *** (p < 0.001)

FIG. 11



** (p < 0.01)

Two-Way ANOVA with Tukey's Multiple Comparisons Test

FIG. 12

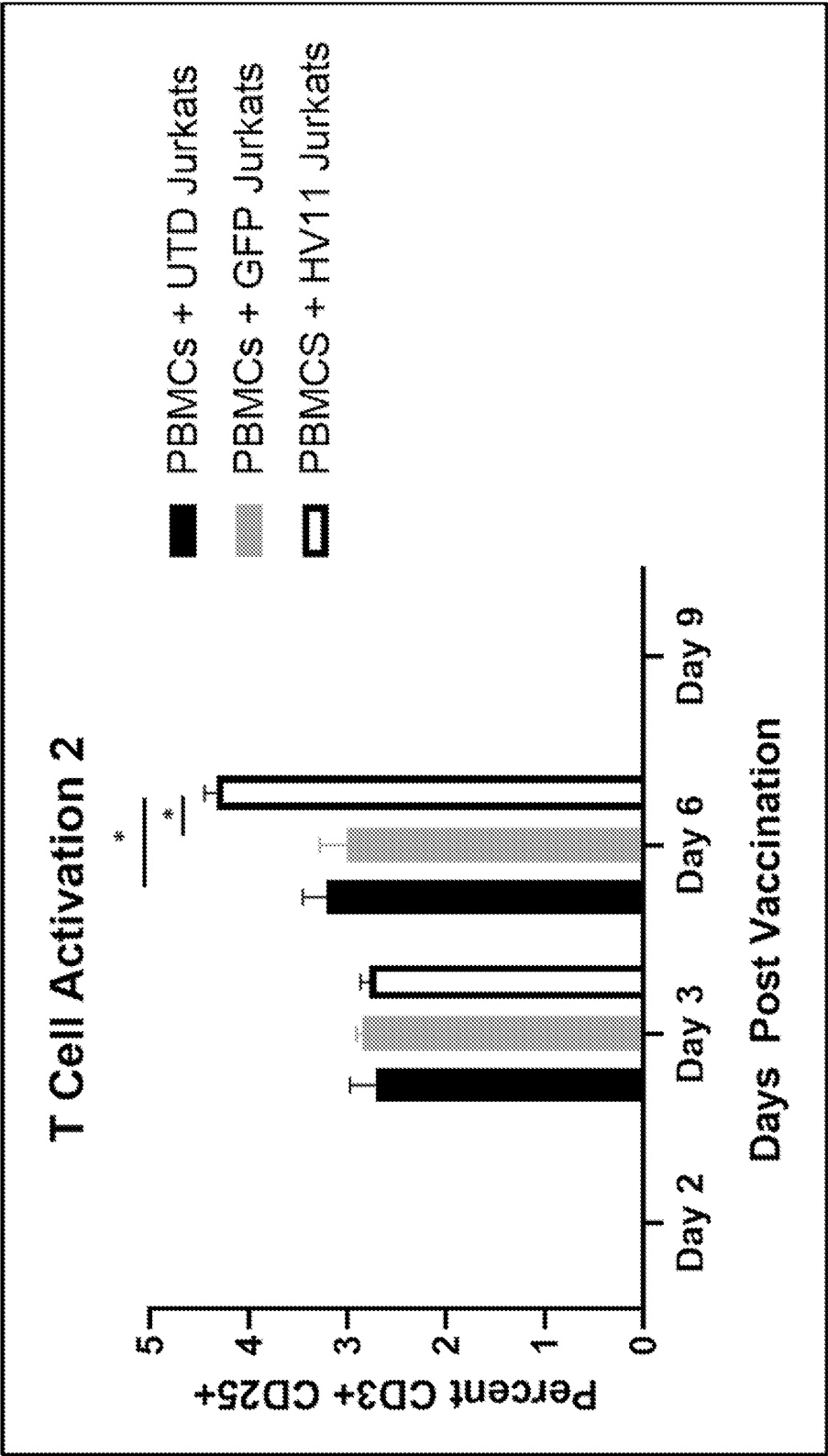


FIG. 13

