

Table 12: **Vpu**

HXB2 Location	Author Location	Sequence	Immunogen	Species(HL/A)	References
Vpu(19-34)	Vpu(19-34)	AIVVWSIVLIEYRKIL	HIV-1 infection	human()	[Ranki (1997)]
	•	T-cell response to this epitope persisted after seroreversion			
Vpu()	Vpu()		B clade Vif-Vpu-Nef DNA-vaccine pVVN-P	murine(H-2 ^d)	[Ayyavoo (2000)]
	•	Splenocytes from BALB/c mice immunized with pVVN-P DNA were incubated with Vif, Vpu or Nef antigens for 3 days and assayed for IL-4 and IFN- γ levels			
	•	Antigen stimulation increased IFN- γ production in pVVN-P immunized mice, indicating a Th1 response			
	•	IL-4 production was not significantly changed after antigen stimulation compared to control levels			
	•	Cross-clade CTL activity was also observed: A, B clade, CRF01(AE) clade antigens could serve as targets for the B clade immunization stimulated CTL – an HIV-1 AC recombinant, however, did not stimulate a CTL response, but was expressed at lower levels on the target cell			