

HIV CTL Epitopes

Table 12: **Vif**

HXB2 Location	Author Location	Sequence	Immunogen	Species(HLA)	References
Vif(17-26)	()	RIRTWKSLVK	DNA Gag/Pol, Vif, and Env vaccine	(A3)	[Brander & Goulder(2001), Altfeld(2000)]
Vif()	Vif()			murine()	[Kim (1997b)]
		<ul style="list-style-type: none"> • A Gag/Pol, Vif or Env DNA vaccine, when delivered in conjunction with the plasmid encoding the co-stimulatory molecules B7 and IL-12, gave a dramatic increase in both the cytotoxic and proliferative responses in mice • When IL-12 was present, CTL response could be detected even without <i>in vitro</i> stimulation 			
	Vif()		B clade Vif-Vpu-Nef DNA-vaccine pVVN-P	murine(H-2 ^d)	[Ayyavoo (2000)]
		<ul style="list-style-type: none"> • 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 			
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