

Supplementary Material

Figure S1. Comparison of the immune responses in rabbits vaccinated with standard DNA immunization regimen ($n = 3$), DNA immunization with “intensive” priming ($n = 2$) and protein immunization ($n = 3$). DNA immunization contained the same *env* gp140Bx08 and the protein immunization was with rgp120IIIb in CAF01 adjuvant. Immunization time points are indicated with arrows. Specific IgG response was measured against strain IIIb gp120.

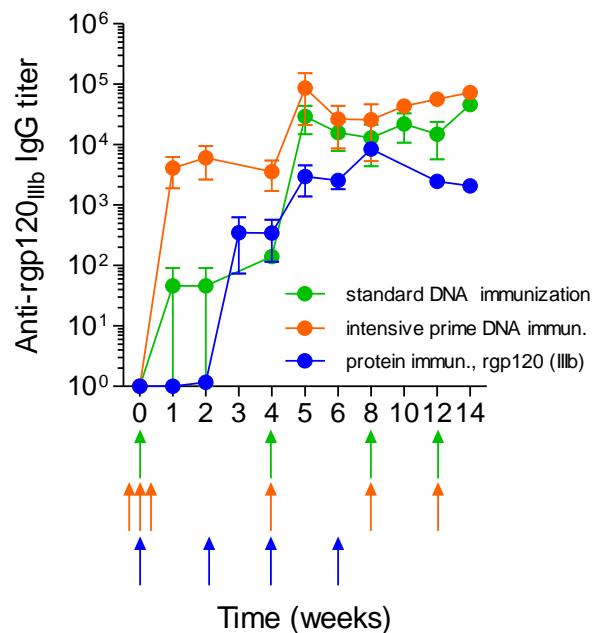


Figure S2. Average neutralization kinetics of rabbit IgG (green) and macaque sera (red) of virus strain SF162. Rabbit IgG was tested at 250 μ g/mL and macaque sera was diluted 30 times. Both groups of animals included 4 animals, immunized with the same plasmid DNA encoding syn.gp140_{mix}. Immunization time points are indicated with arrows.

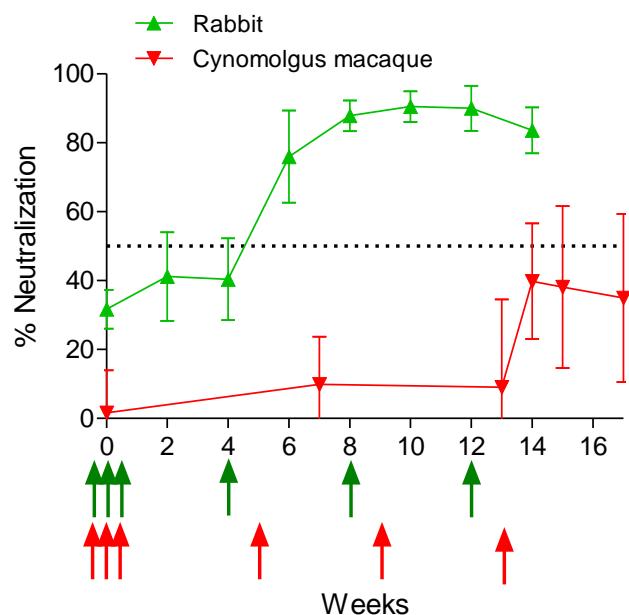


Table S1. Neutralizing activity in serum from immunized guinea pigs and rabbits. Pre-immune sera and 14 weeks post vaccination was tested. Darker color corresponds to higher neutralizing activity. For guinea pigs reciprocal titers correspond to 1/dilution of serum giving 50% inhibitory concentration (IC₅₀) are described. For rabbits purified IgG corresponding to 50% inhibitory concentration (IC₅₀) are described.

Table S2. Cont.

Animal	Vaccine construct	Animal ID	Sample	B SF162	B Bx08	B BaL	B JR-FL 92	C Br025	A 92R	Subtype W009 Strain
Rabbits	gp140Bx08	116036	Preimmune	>250	>250	n. d.	n. d.	n. d.	n. d.	
		116157		>250	>250	n. d.	n. d.	n. d.	n. d.	
		116064		>250	>250	n. d.	n. d.	n. d.	n. d.	
		116069		>250	>250	n. d.	n. d.	n. d.	n. d.	
	gp150Bx08	116087		>250	>250	n. d.	n. d.	n. d.	n. d.	
		116115		>250	>250	n. d.	n. d.	n. d.	n. d.	
		116126		>250	>250	n. d.	n. d.	n. d.	n. d.	
		116130		>250	>250	n. d.	n. d.	n. d.	n. d.	
	gp140Mix	134040		>250	>250	n. d.	n. d.	n. d.	n. d.	
		134114		>250	>250	n. d.	n. d.	n. d.	n. d.	
		134126		>250	>250	n. d.	n. d.	n. d.	n. d.	
		134132		>250	>250	n. d.	n. d.	n. d.	n. d.	
	gp140Mix SOSIP-R6-IZ-H8	946369		>250	>250	n. d.	n. d.	n. d.	n. d.	
		946387		>250	>250	n. d.	n. d.	n. d.	n. d.	
		946376		>250	>250	n. d.	n. d.	n. d.	n. d.	
		946370		>250	>250	n. d.	n. d.	n. d.	n. d.	
	gp140Bx08	116036	Week 14 post vaccination	<31	35	239	>400	>400	>400	
		116157		<31	174	>400	>400	343	>400	
		116064		58	143	393	>400	>400	>400	
		116069		<31	<31	154	>400	370	>400	
	gp150Bx08	116087		197	>250	>400	>400	391	>400	
		116115		72	<31	180	>400	273	>400	
		116126		<31	36	>400	>400	373	>400	
		116130		129	148	>400	>400	>400	>400	
	gp140Mix	134040		102	84	>400	>400	309	>400	
		134114		170	193	>400	>400	329	>400	
		134126		110	218	>400	>400	307	>400	
		134132		<31	81	>400	>400	323	>400	
	gp140Mix SOSIP-R6-IZ-H8	946369		128	>250	>400	>400	367	>400	
		946387		55	<31	>400	>400	>400	>400	
		946376		31	82	>400	>400	369		
		946370		64	136	>400	>400	374		