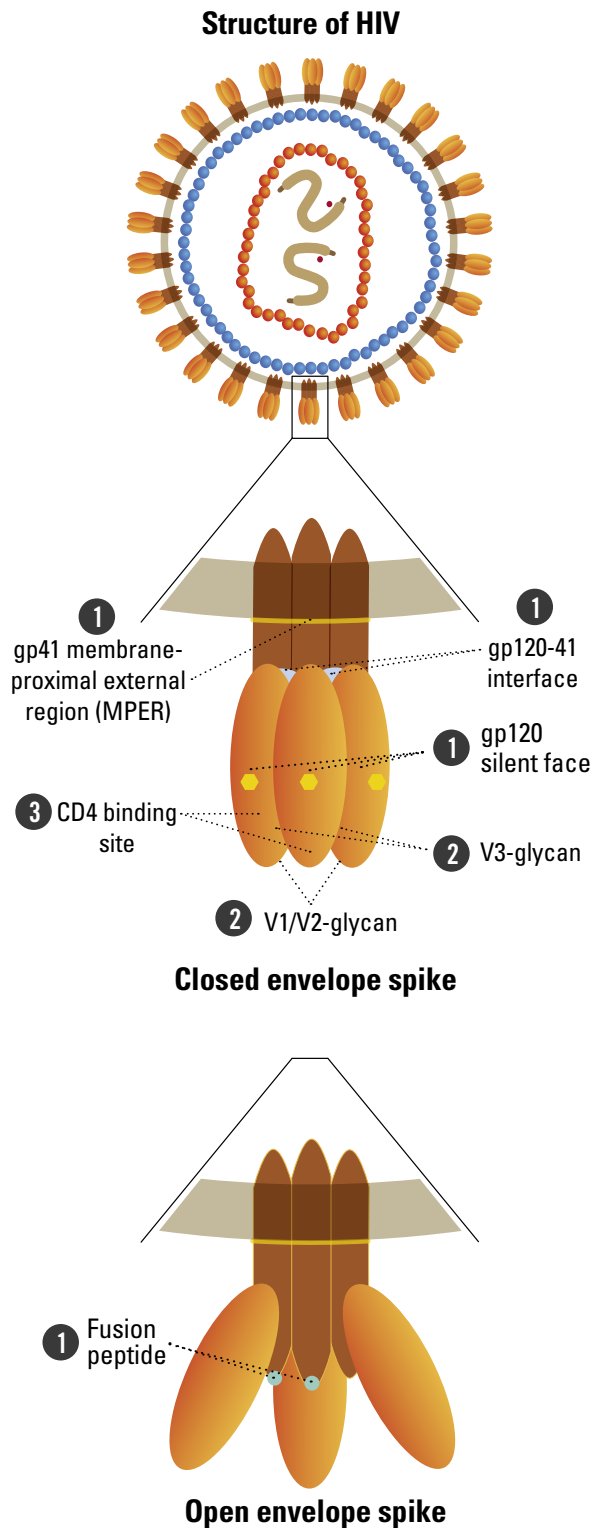


HIV-Specific Neutralizing Antibodies: Targets and research status

Broadly neutralizing antibody research is rapidly expanding. New antibody candidates are being discovered constantly! We outline here the antibodies being considered to guide active vaccination, and as candidates for passive immunization for HIV treatment as well as prevention.



1 **Envelope trimer:** Carbohydrate-coated proteins (made of gp120 and gp41) on the surface of HIV. 2 **Glycans:** Carbohydrate molecules. 3 **CD4 binding site:** Part of HIV protein used to fuse to CD4 T cells.

HIV envelope target	Antibody	Status			
		Pre-clinical	Phase I	Phase II	Phase IIb/III
CD4 binding site	3BNC117		Completed		
	3BNC117LS		Ongoing		
	CH235.12	Ongoing			
	N49P7	Ongoing			
	N6*		Ongoing		
	NIH 45-46	Ongoing			
	VRC01				Ongoing
	VRC01LS		Completed		
	VRC07-523LS		Ongoing		
Fusion peptide	ACS202	Ongoing			
	VRC34.01	Ongoing			
gp41 MPER	10E8VLS		Paused		
	4E10	Ongoing			
gp120-41 interface	8ANC195	Ongoing			
	PGT151	Ongoing			
	LN02	Ongoing			
	SANC 195	Ongoing			
gp120 silent face	SF12	Ongoing			
	VRC-PG05	Ongoing			
V1/V2-glycan	CAP256-VRC26LS		Planned		
	PGDM1400*		Completed		
	PG9		Completed		
	CH01	Ongoing			
	PG16	Ongoing			
	PGT145	Ongoing			
V3-glycan	PGT121		Completed		
	PGT121LS		Planned		
	PGT128	Ongoing			
	PGT135	Ongoing			
	10-1074		Completed		
	10-1074LS		Ongoing		
Combination	3BNC117+10-1074	Ongoing			
	Trispecific LS (VRC01, PGDM1400 and 10e8)		Paused		
	PGT121 + PGDM1400				Planned
	Bispecific (10e8.4/iMab)		Planned		
	VRC07-523LS+ PGT121+PGDM1400	Planned			
	VCR07-523LS+10e8VLS	Planned			
	VCR07-523LS+PGT121	Planned			
VRC07LS+PGDM1400	Planned				