

Map	BG505_crosslinked_PGV04
EMDB ID	EMD-7568
PDB ID	6CRQ
Data collection	
Microscope	FEI Titan Krios
Voltage (kV)	300
Detector	Gatan K2 Summit
Recording mode	Counting
Magnification (incl. post-magnification)	49,020
Movie micrograph pixelsize (Å)	1.02
Dose rate (e ⁻ /[(camera pixel)*s])	10
Number of frames per movie micrograph	35
Frame exposure time (ms)	200
Movie micrograph exposure time (s)	7
Total dose (e ⁻ /Å ²)	66
Defocus range (µm)	1.5-4.0
EM data processing	
Number of movie micrographs	1,329
Number of molecular projection images in map	55,563
Symmetry	C3
Map resolution (FSC 0.143; Å)	4.2
Map sharpening B-factor (Å ²)	-166
Structure Building and Validation	
Number of atoms in deposited model	20,289
gp41 (peptide; chain C,G,H)	967
gp120 (peptide; chain A,B,F)	3,538
PGV04 VH (chain H)	999
PGV04 VL (chain L)	784
Glycans	475
MolProbity score	1.38 (97%)
Clashscore	5.87
EMRinger score	2.29
Deviations from ideal	
Bond length outliers	0 (0%)
Bond angle outliers	0 (0%)
Monosaccharide outliers	0 (0%)
Ramachandran plot	
Favored (%)	97.7
Allowed (%)	2.3
Outliers (%)	0.0