

Supplementary Table 1

Summary of crystallographic analysis of K1-70 Fab

X-ray diffraction data	
X-ray source	Rigaku-007HF
Wavelength (Å)	1.54
Detector type	R-Axis IV
Detector distance	175
Temperature (°K)	100
Oscillation range per frame (°)	0.5
Overall rotation (°)	125
Resolution range (Å)	30-2.22
Number of observed reflections	141074
Number of unique reflections	54304
Multiplicity	2.6
Completeness (%) (overall and last shell)	97.9 (98.1)
R _{merge} (%) (overall and last shell)	6.3 (34.0)
Mean I/sigma (overall and last shell)	8.5 (2.5)
Space group	P2 ₁
Unit cell parameters (Å), (°)	70.2 62.1 131.0 90.0 98.3 91.0

Refinement	
Refinement program	Refmac5
Resolution range (Å)	30-2.22
Number of reflections (working/test)	51482 (2775)
R _{work}	21.7%
R _{free}	26.4%
Protein residues modelled	837
Number of protein atoms modelled	6336
Number of water atoms modelled	363
RMSD Bond lengths (Å)	0.014
RMSD Bond angles (°)	1.488
Mean overall B value (Å ²)	41.7 (FabA) / 38.3 (FabB)
Mean water B value (Å ²)	43.3
Ramachandran plot favored (%)	88.8%
Ramachandran plot allowed (%)	10.8%
Ramachandran plot generously allowed	0.1%
Ramachandran plot disallowed (%)	0.3%