

Cation exchange column (HiTrap)

UV 1_280_Chrom.1:HiTrap 5ml ebna1 fl 090518 001

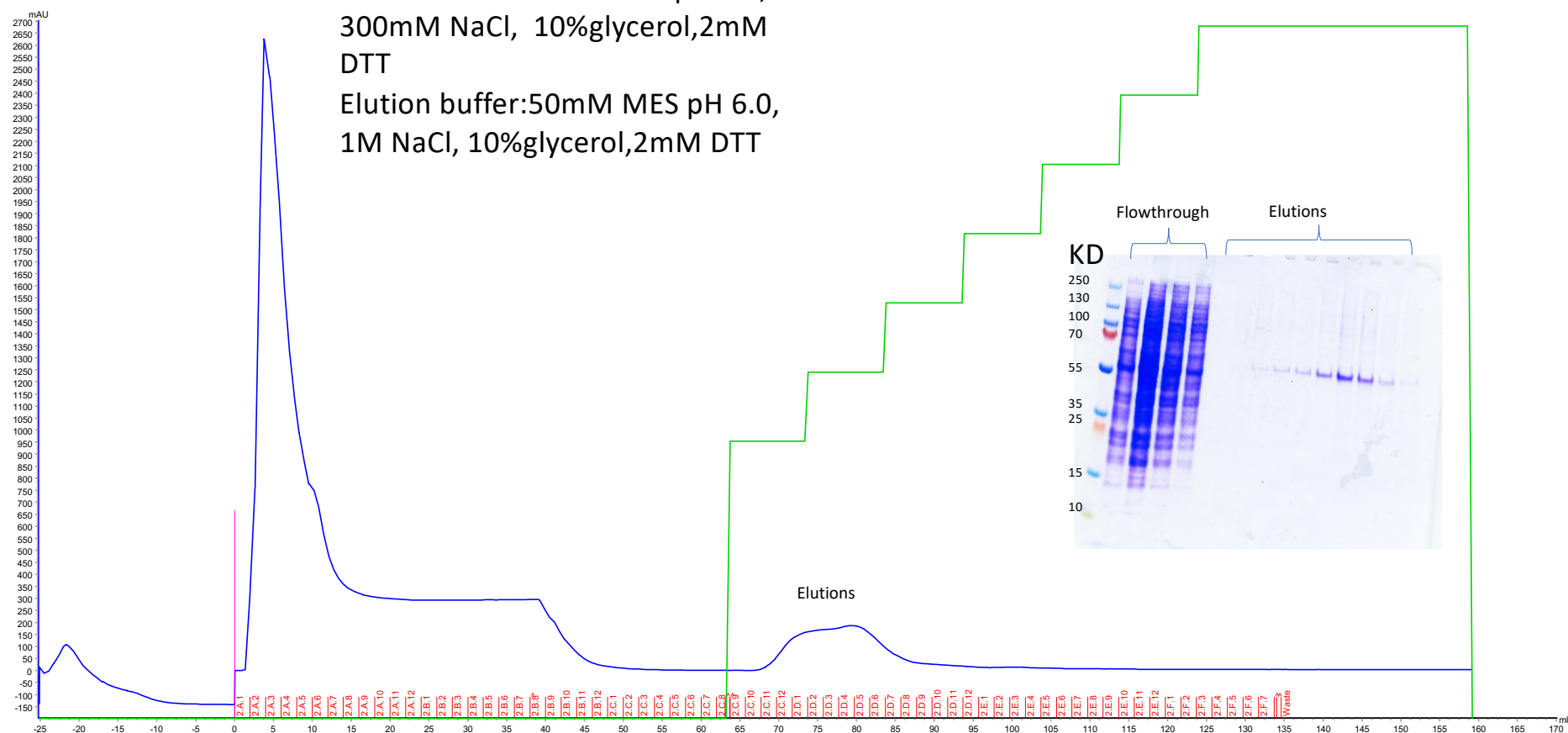
Conc B_Chrom.1:HiTrap 5ml ebna1 fl 090518 001

Fraction_Chrom.1:HiTrap 5ml ebna1 fl 090518 001

Injection_Chrom.1:HiTrap 5ml ebna1 fl 090518 001

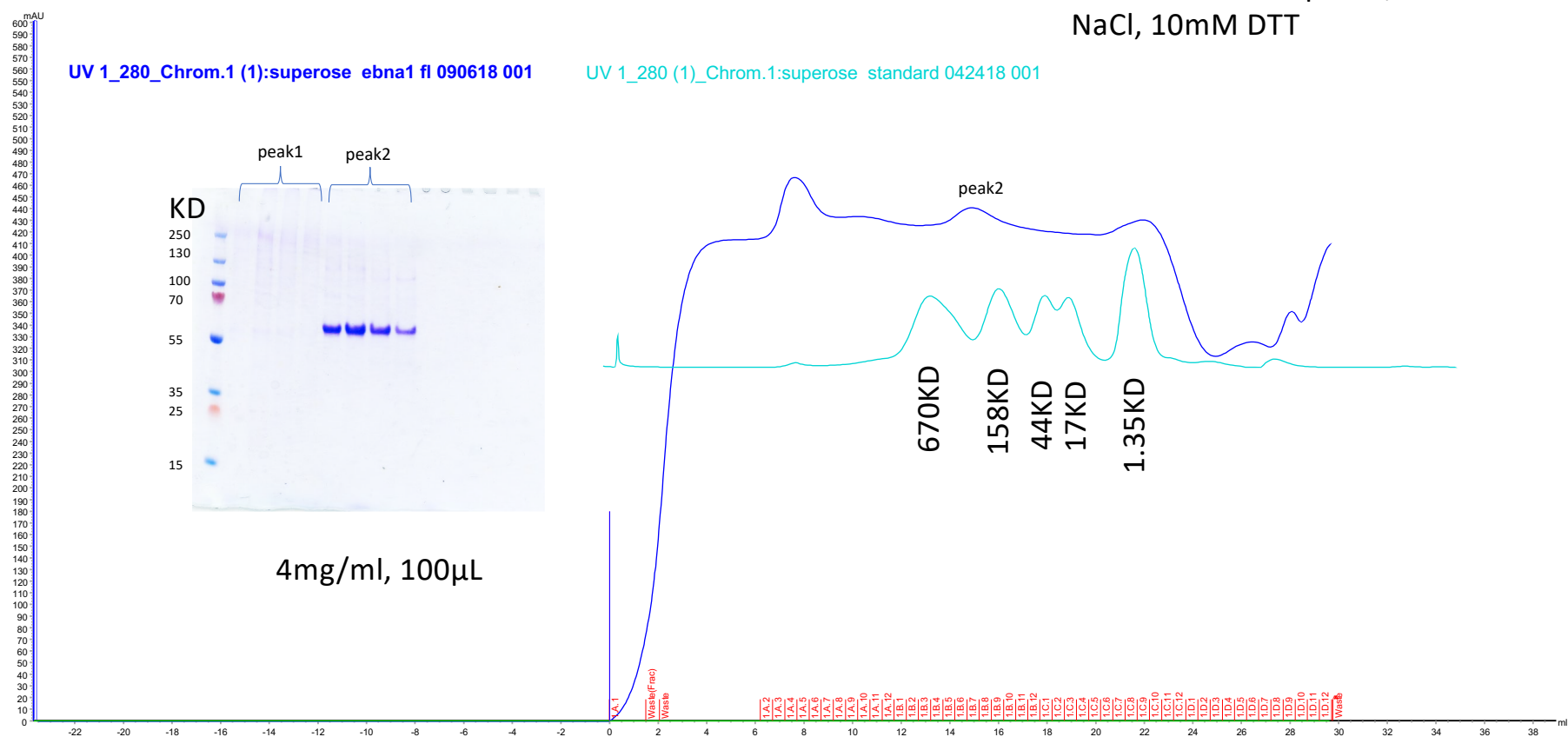
Wash buffer: 50mM MES pH 6.0,
300mM NaCl, 10%glycerol,2mM
DTT

Elution buffer:50mM MES pH 6.0,
1M NaCl, 10%glycerol,2mM DTT

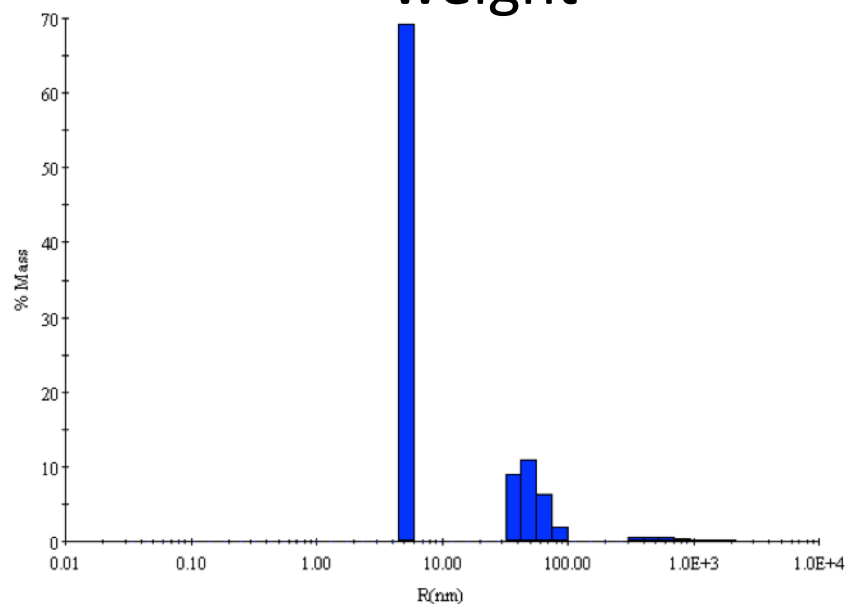


Size exclusion column(Superose6)

Buffer: 1mM Tris pH7.5, 500mM
NaCl, 10mM DTT

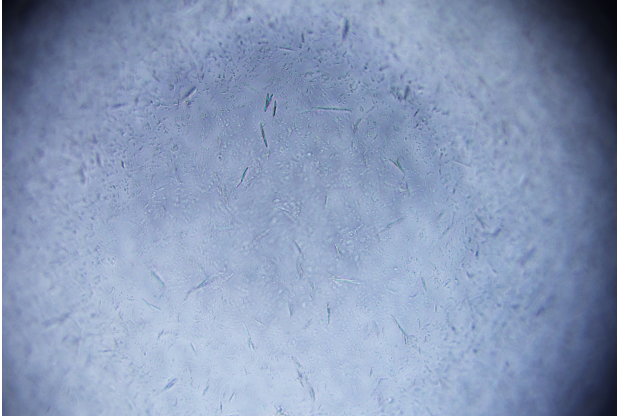


Light scanning of EBNA1 full-length to get an idea of the molecular weight

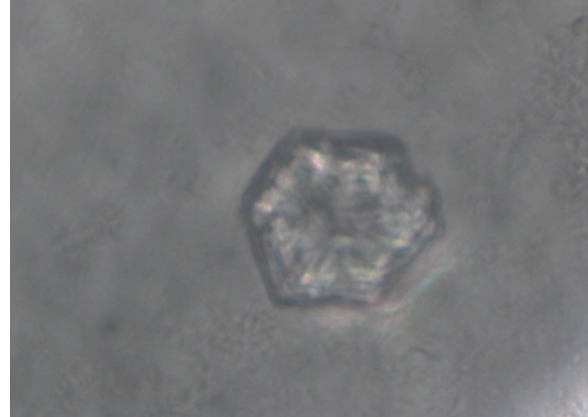


Item	R (nm)	%Pd	MW-R (kDa)	%Int	%Mass
Peak 1	5.31	0.0	167.374	2.1	69.2
Peak 2	51.94	26.7	34759.4	69.3	28.1
Peak 3	652.94	45.6	1.29842e+007	26.1	2.5
Peak 4	1888.87	0.0	1.55896e+008	2.4	0.2

Crystals of EBNA1, TRF and dyad symmetry complex



TRF1 Myb+EBNA1 DBD+ 4,3
DS (2 sites for each proteins)



TRF2 Myb+EBNA1 DBD+ DS
(1 sites for each proteins)