

Certificate of Analysis

Description of the Product:

- (a) Product Name: SEC HPLC protein standard
- (b) Appearance: Lyophilized powder
- (c) Amount: 4 tubes

Material Code and Batch Number:

- (a) Part Number: CM92004
- (b) Lot Number: S216.S18.0715B

SEC HPLC Profile of the Protein Standard

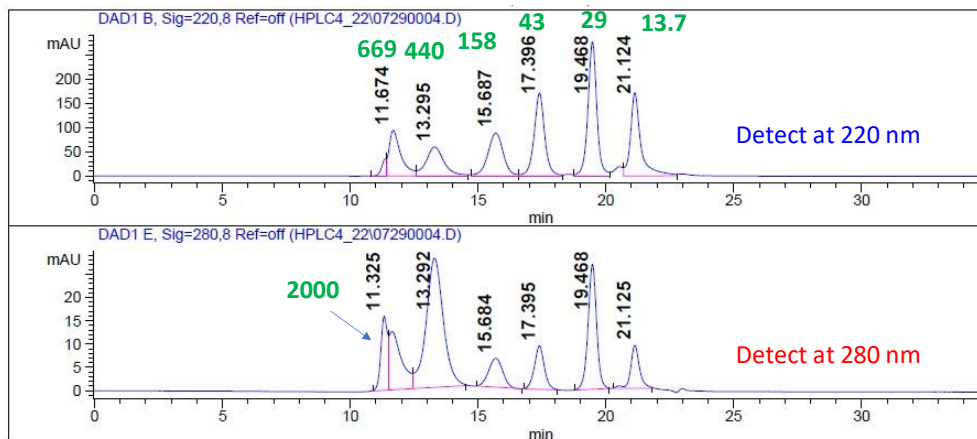
HPLC column: Tosoh Bioscience TSKgel G3000SW_{XL} (7.8 mm x 30 cm)

HPLC condition: Isocratic PBS buffer at 0.5 mL/min. Instrument: Agilent 1100 HPLC series.

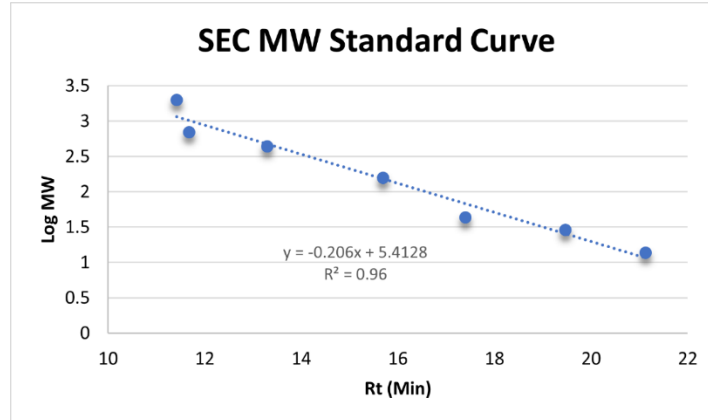
- (a) List of proteins and their retention times.

#	Name	MW (KDa)	Rt (min)
1	RNase A	13.7	21.124
2	Carbonic anhydrase	29	19.468
3	Ovalbumin (albumin chicken egg)	43	17.396
4	Aldolase (rabbit muscle)	158	15.687
5	Ferritin (equine spleen)	440	13.295
6	Thyroglobulin	669	11.674
7	Blue Dextran	2000	11.325

- (b) HPLC Profile



(c) SEC MW standard curve.



Intended Use: For investigational use only.

Hazard Information: see SDS.

Shelf life, Storage/Stability: The conjugate is fairly stable as solid at ambient temperature. Recommended long-term storage is at -20°C or preferably in a -80°C freezer. After reconstitution, the solution may be able to stay at $2-8^{\circ}\text{C}$ for few weeks.

Expiration Date: 1 year after receiving if stored at -20°C or below.

Data Appendix: Size exclusion HPLC and MALDI-TOF MS Data.

Certified by: Yumei Huang
Certifying Officer: Yumei Huang