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Certificate of Analysis

Description of the Material:

- (a) Chemical Name: BSA-Maleimide
- (b) Molecular Weight: 71 KDa
- (c) CAS Registry Number: N/A
- (d) Appearance: Lyophilized powder and ready for use after reconstitution with water.
- (e) Amount: 2 mg

Material Code and Batch Number:

- (a) Part Number: CM52111-1x2MG or CM52111-3x2MG
- (b) Lot Number: S338.S8.052421

Purity and Loading:

- (a) HPLC Analysis: $\geq 99\%$ conjugates (unlabeled BSA is prepared using heat shock fractionation. It is protease free, fatty acid free, and globulin free. pH 7.0, $\geq 98\%$ pure)
- (b) Active Maleimide Groups: ~ 27 per BSA by maleimide assay

Intended use: For research and development use only.

Hazard information: No known OSHA hazards. See SDS for details.

Shelf life, Storage / Stability: The product is fairly stable as solid at ambient temperature. Recommended long-term storage is at -20°C or preferably in a -80°C freezer. The reconstituted lyophilized tubes should be used immediately following reconstitution with sterile water. If not used immediately, the reconstituted tubes can be stored for up to 4 hours in a $2-8^{\circ}\text{C}$ refrigerator.

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

Data Appendix: Size exclusion and C4 HPLC Data.

Supplemental Data Sheets

Figure 1: SEC HPLC analysis of BSA (left, 14% aggregation) and purified conjugates (right, 29% aggregation)

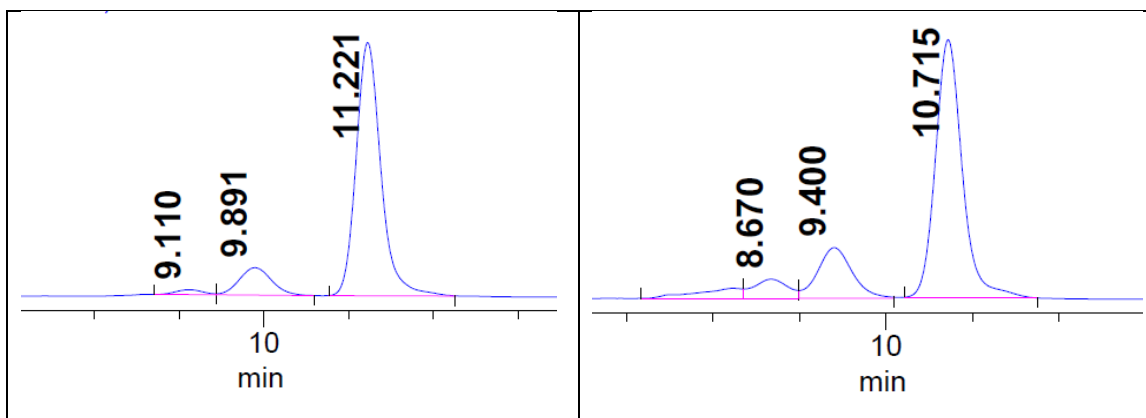


Figure 2: Overlay C4 Reversed phase HPLC analysis of BSA (red) and purified conjugates (blue, more hydrophobic).

