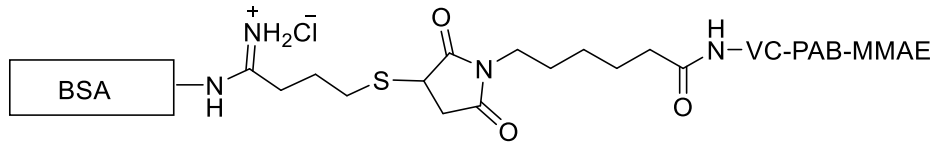


Certificate of Analysis

Description of the Material:

- (a) Chemical Name: BSA-MMAE Conjugate with VC-PAB linker
- (b) Chemical Structure:



- (c) Molecular Weight: ~71 KDa
- (d) Appearance: colorless to white lyophilized powder
- (e) Amount: each tube contains 1 mg of BSA-MMAE
- (f) Reconstitution: dissolve in 344.8 µL of deionized water to achieve 2.9 mg/mL in 1xPBS buffer containing sugar-based stabilizer (no preservative)

SKU Code and Batch Number:

- (a) SKU Code: CM52113-1MG or CM52113-5MG
- (b) Lot Number: S296.S12.072420

Purity, UV/Vis, MS, and Loading:

- (a) HPLC analysis: ≥99% of conjugates, free of any unreacted MMAE
- (b) Drug over BSA ratio: ~ 3.8 by MALDI-TOF MS
- (c) Characteristic additive UV/Vis spectra of MMAE and BSA

Intended Use: For research and development 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 stock solution could be used up to 1 week if stored at 2–8°C.

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

Data Appendix: Size exclusion HPLC, UV/Vis, and MALDI-TOF MS Data.

Figure 1. Overlay size exclusion HPLC spectrum of BSA (before labeling, red trace) and BSA-MMAE in PBS buffer (after labeling, blue trace).

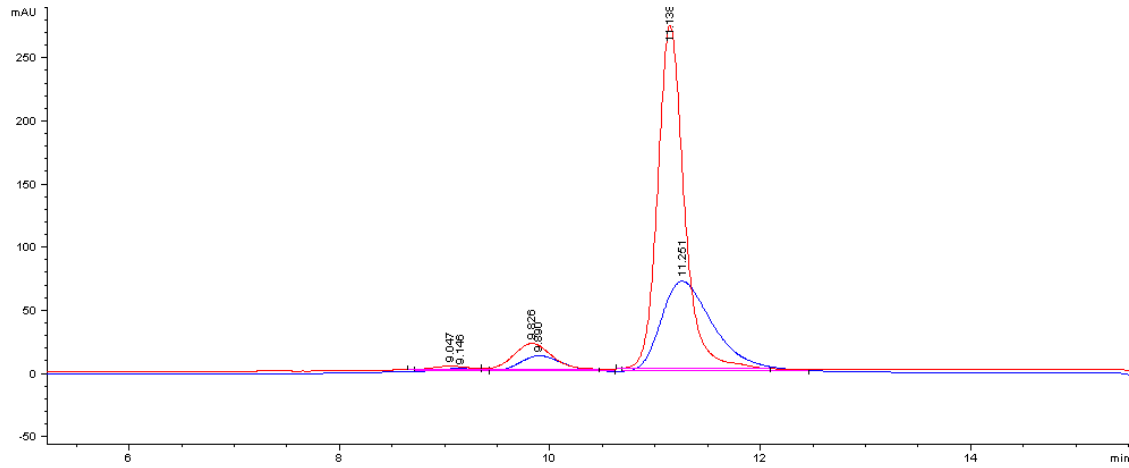
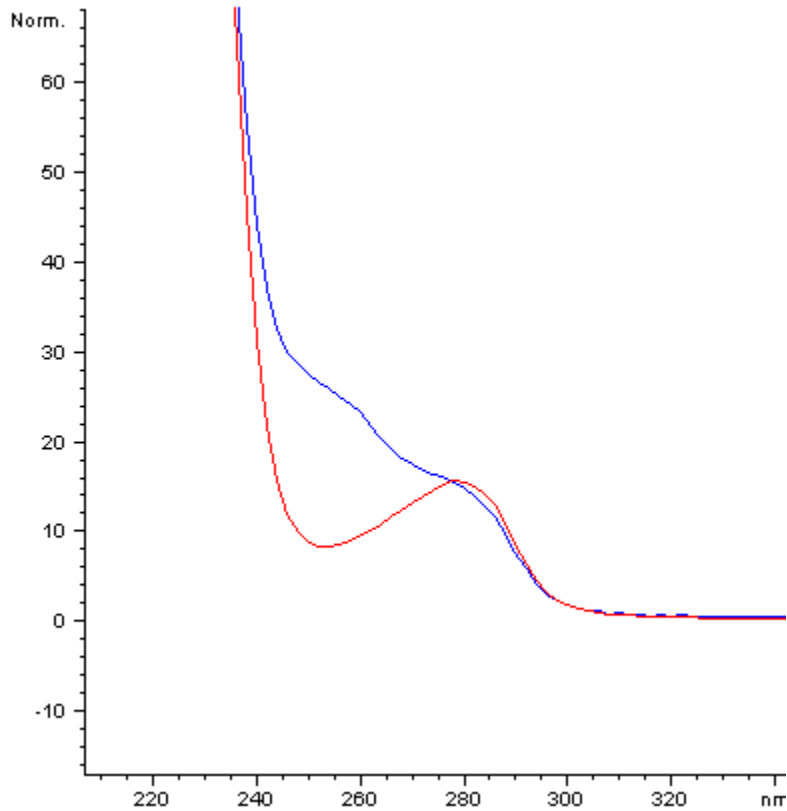


Figure 2. Overlay UV/Vis spectrum of BSA (before labeling, red trace) and BSA-MMAE (after labeling, blue trace). UV absorbance ratio (R) of BSA at 248 nm and 280 nm: 0.722. R of BSA-MMAE: 1.842.



Spectrum Report

Final - Shots 1250 - LAJ_7297_01; Run #13; Label E20

3 MMAE

MALDI-TOF MS of BSA-MMAE (S296.S12.072420)

