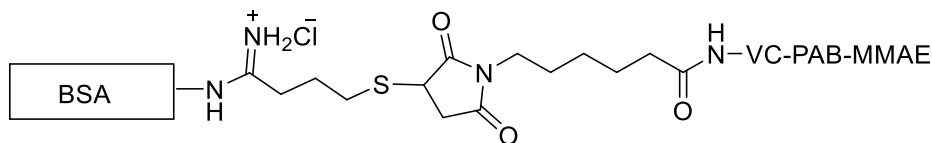


## Certificate of Analysis

### 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  $\mu$ L 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:  $\geq 99\%$  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.

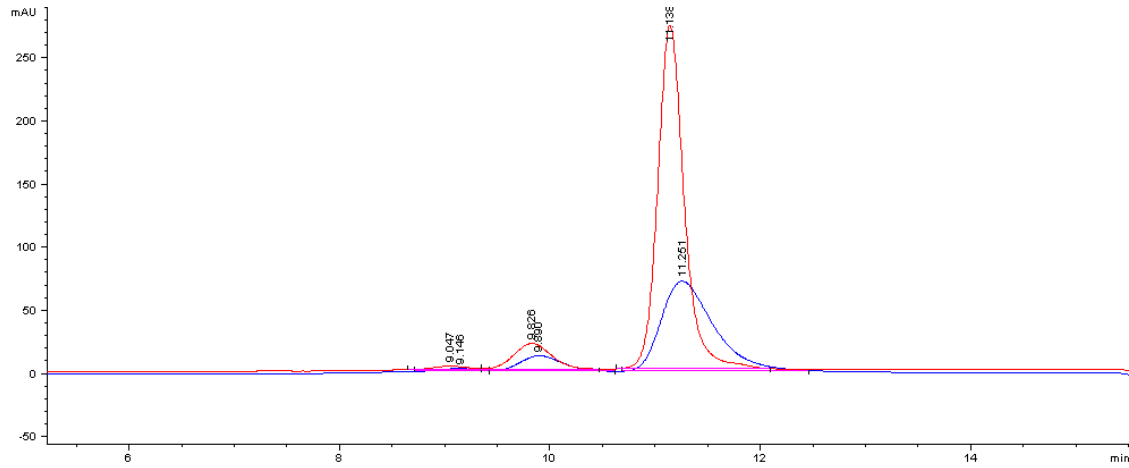
**Hazard Information:** See SDS.

**Shelf life, Storage/Stability:** The conjugate is fairly stable as solid at ambient temperature. Recommended long-term storage is at  $-20^{\circ}\text{C}$  or preferably in a  $-80^{\circ}\text{C}$  freezer. After reconstitution, the stock solution could be used up to 1 week if stored at  $2-8^{\circ}\text{C}$ .

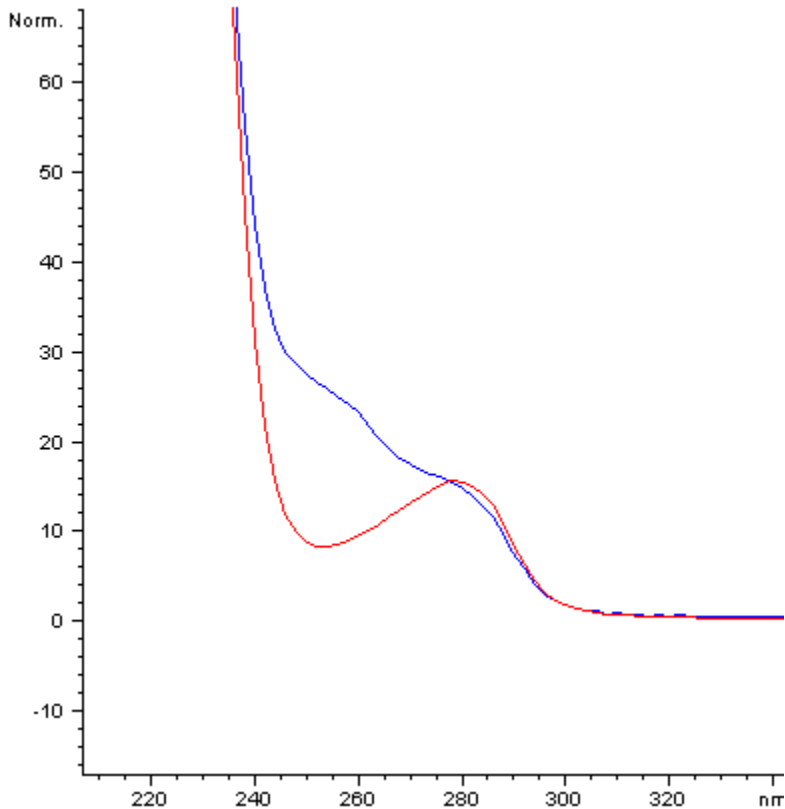
**Expiration date:** 1 year after receiving if stored at  $-20^{\circ}\text{C}$  or below.

**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 #4; Label H18

