

## CERTIFICATE OF ANALYSIS

**Product:** BSA-SAHNa. Bovine serum albumin (BSA) was conjugated to S-adenosylhomocysteine (SAH) sodium salt

**Catalog Number:** ACT00301

**Lot Number:** Lot# ACP420629

**Quality Release Date:** April 16, 2017

Test	Specification	Result
Appearance	Clear liquid	Clear solution
Concentration	1.0 - 6.0 mg/ml	4.00mg/ml
Storage buffer	10mM PBS pH 7.4 (150 mM NaCl)	10mM PBS pH 7.4 (150 mM NaCl)
Stability below -25°C	Long term	>3 years

To evaluate whether SAH-Na has been conjugated to BSA, ELISA plates were coated with BSA-SAHNa at 0.5µg/ml. A series of dilutions of SAH-Na standards were added to the strips. HRP-conjugated anti-SAH monoclonal antibody was added and incubated for 60 minutes. After washing, TMB substrate was added to develop the color generated from HRP bond to the plate due to BSA-SAHNa, and sulfuric acid was then added to stop color development. The OD450 values were read as follows.

SAH Na (nM)	OD <sub>450</sub> (HRP-anti-SAH Lot# 450204 1:750)	
0	1.3459	1.4560
31.25	1.2546	1.2070
62.5	1.1475	1.1143
125	0.9450	1.0544
250	0.7726	0.8654
500	0.5801	0.6760
1000	0.4011	0.4473
Blank	0.0084	0.7292

The results indicated that SAHNa has been conjugated to carrier BSA since the OD450 values showed obvious dose-dependent effect and the linearity is satisfactory using ELISA analytical software. This lot of BSA-SAH-Na has also been tested in immunochromatographic test strips and yielded satisfactory results. Best dilution of BSA-SAHNa should be tested and determined individually based on each particular situation and with different technology platforms.



Jimmy Li  
Quality Control Team