

## CERTIFICATE OF ANALYSIS

**Product:** SAH-Na, Bio-SAH a/b, Bio-6C-SAH a/b, Dig-6C-SAH a/b/c

**Catalog Number:** AST00301-1, ACT00302-50/100, ACT00303-50/100, ACT00304-25/50/100

**Lot Number:**

Lot# 421809, Lot# 450412, Lot# 450413, Lot# 450419, Lot# 450418

**Quality Release Date:** February 28, 2015

Perform cELISA per IK003001 instruction with standard SAH-Na, quality control, Bio-SAH, Bio-6C-SAH and Dig-6C-SAH respectively. The standard curves were obtained and compared.

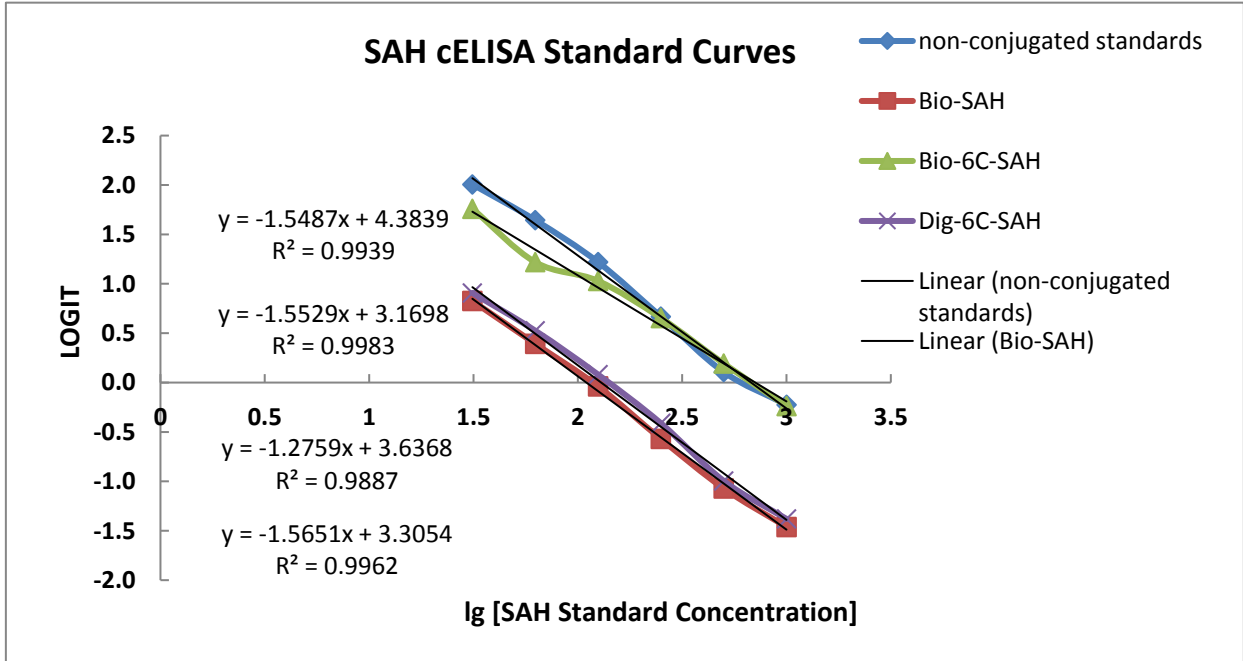
**Table OD450 of SAH and its Conjugates in cELISA**

SAH Standards (nM)	Non-conjugated SAH Na		Bio-SAH		Bio-6C-SAH		Dig-6C-SAH	
	0	2.0541	1.9839	1.8607	1.8608	1.8367	1.8458	1.8768
31.25	1.8497	1.7123	1.2556	1.3398	1.5840	1.5612	1.3615	1.5514
62.5	1.7098	1.6781	1.0720	1.1591	1.4394	1.4086	1.1856	1.3864
125	1.5912	1.5311	0.8923	0.9450	1.3176	1.4013	1.0289	1.1047
250	1.3314	1.3453	0.6820	0.6769	1.1824	1.2480	0.8053	0.8344
500	1.0980	1.0395	0.4893	0.4773	0.9819	1.0465	0.5510	0.5667
1000	0.9193	0.8867	0.3522	0.3671	0.8001	0.8360	0.4052	0.4331
QC & Blank	1.2310	1.2209	0.0116	0.0108	0.0113	0.0109	0.0119	0.0119

The standard curves above showed normal competitive behaviors among these four SAH conjugates. Although the figure indicated non-conjugated SAH and Bio-6C-SAH had the similar competitive pattern whereas Bio-SAH and Dig-6C-SAH presented stronger competitive inhibition, as the concentration of Bio-SAH, Bio-6C-SAH and Dig-6C-SAH might not be very accurate. A small amount was handled and in highly concentrated stock solution, therefore operating error might exist.

However it seemed safe to predict that SAH conjugates possessed similar antibody-binding capability as the non-conjugated SAH, if not better. Best dilution of each component should be tested and determined individually based on each particular environment.

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LOGIT =  $\ln(A/A_{S0}/(1-A/A_{S0}))$ , where  $A_{S0}$  is OD450 when no antigen was added.

Jimmy Li  
 Quality Control Team

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