

CERTIFICATE OF ANALYSIS

Product: Bio-12CN-aza-SAM a/b/c

Catalog Number: ACT00206-10/50/100

Lot Number: Lot# 450627

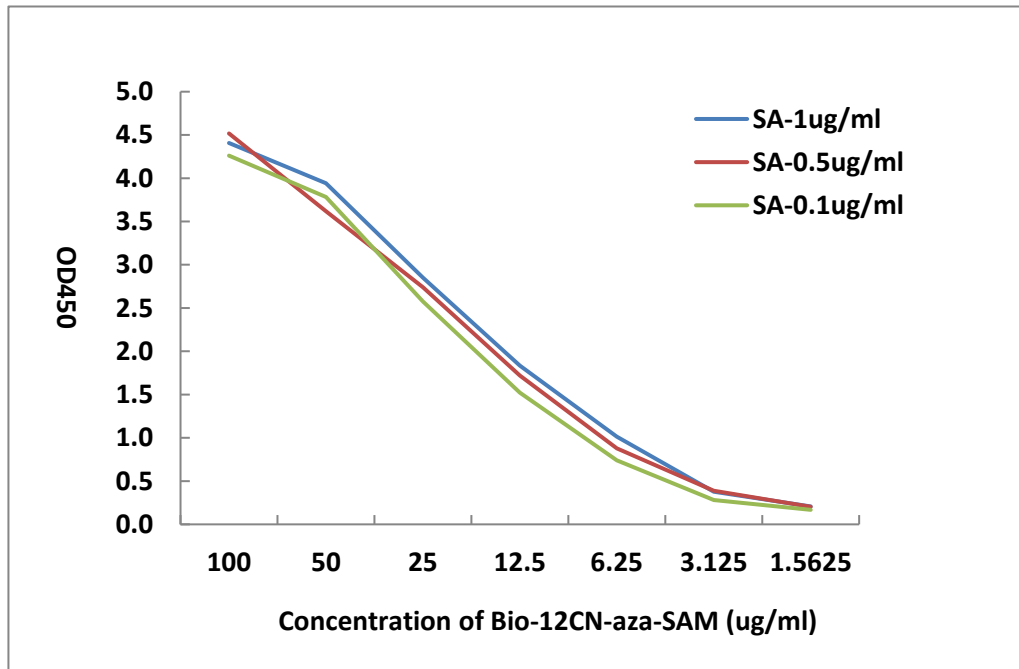
Quality Release Date: March 31, 2015

Analysis Procedure: Micro-titer plate was coated with different amounts of Streptavidin (SA). Serial dilution of Biotin-12CN-aza-SAM was added to the plates. After incubation of 60 minutes at 37°C, mouse-anti-SAM antibody (Lot# 421212 1:20000) was added and incubated for another 60 minutes at 37°C. TMB was used to develop the color. The reaction was stopped after 15 minutes at 37°C. OD450 readings were recorded.

As indicated in the table and Figure below, SA concentration could be further reduced and HRP-anti-SAM further diluted to reduce the background readings. Best dilution of each component should be tested and determined individually based on each particular environment. This result is meant to show the conjugate works very well in binding SA as well as the specific antibody against SAM at the same time efficiently.

Biotin-12CN-SAM, HRP-anti-SAM (Lot# 421212) at 1:20000			
ug/ml	SA-1ug/ml	SA-0.5ug/ml	SA-0.1ug/ml
100	4.4071	4.5175	4.2612
50	3.9415	3.6183	3.7829
25	2.8520	2.7399	2.5755
12.5	1.8339	1.7193	1.5214
6.25	1.0125	0.8783	0.7392
3.125	0.3768	0.3889	0.2802
1.5625	0.2070	0.2031	0.1679
Blank	0.0822	0.0773	0.0758

Products are warranted to operate or perform substantially in conformance with published product data sheet in effect at the time of sale, as set forth in the product documentation, specifications and/or accompanying package inserts ("Documentation"). Arthus Biosystems warrants at the time of release, this product conformed information contained in this certificate of analysis. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the product is subjected to normal, proper and intended usage. The warranty extends only to the buyer of the product. Product is intended for research only and is not to be used for any other purpose, including unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to humans or animals.



Jimmy Li
Quality Control Team

Products are warranted to operate or perform substantially in conformance with published product data sheet in effect at the time of sale, as set forth in the product documentation, specifications and/or accompanying package inserts ("Documentation"). Arthus Biosystems warrants at the time of release, this product conformed information contained in this certificate of analysis. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the product is subjected to normal, proper and intended usage. The warranty extends only to the buyer of the product. Product is intended for research only and is not to be used for any other purpose, including unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to humans or animals.