

CERTIFICATE OF ANALYSIS

Product: S-Adenosylmethionine (SAM) ELISA kit 3

Catalog Number: IK00203

Lot Number:

SAM Assay Plate: Coated with PLL-aza-SAM at 0.035ug/ml

HRP-anti-SAM Antibody: Lot# 421212

Quality Release Date: Dec 23, 2016

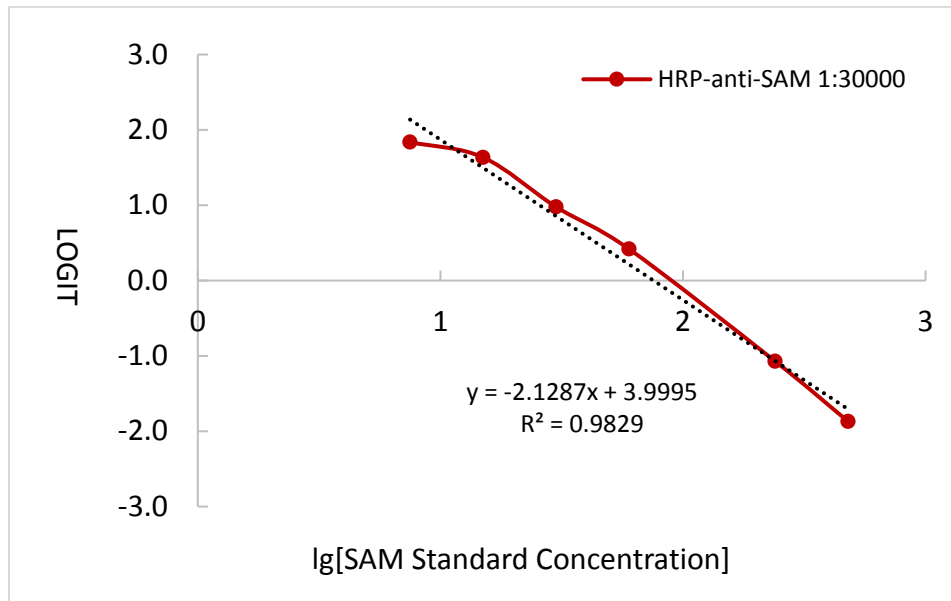
Components	Specification
HRP-antibody Diluents	Tested Lot # 482440
Sample Diluents	Tested Lot # 482440
TMB Substrate	Tested Lot # 482440
Stop Solution	Tested Lot # 482440
SAM Standards	Tested Lot # 480218
Wash Solution (20x)	Tested Lot # 482440

Perform cELISA per IK00203 instruction with plasma samples and quality control. The standard curve was obtained.

Table OD450 of Standards with HRP-anti-SAM Lot# 421212 diluted as shown

SAM Plasma Standard(nM)	1:300,000
0	2.5943
7.5	2.2382
15	2.171
30	1.885
60	1.5644
240	0.6619
480	0.3463
Blank	0.0478

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$LOGIT = \ln(A/A_{s0}/(1-A/A_{s0}))$, where A_{s0} is OD450 when no antigen was added. Sometimes adding 7.5nM to the standard impacts or slightly reduces the R of the standard curve. When the anticipated value of SAM from a sample is not less than 15nM, remove the 7.5nM point when plotting the standard curve. Further dilute the HRP-anti-SAM antibody to 1:35000 raises the R^2 to above 0.99 when the 7.5nM point is included.

Jimmy Li
Quality Control Team

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