

## CERTIFICATE OF ANALYSIS

**Product:** SAA1 ELISA Kit (Mouse)  
**Sku:** OKEH04394  
**Lot:** KE1308  
**Expiration Date:** 2021.04

### Performance Characteristics:

Intra-Assay CV	<= 6.3%	Passed
Inter-Assay CV	<= 8.7%	Passed
Limit of Detection (LOD)		<= 4 ng/mL
Assay Range		7.8 - 500 ng/mL

### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 500 ng Lyophilized SAA1 standard. Mix gently until dissolved. Leave the vial at ambient temperature for 15 minutes.

Prepare a set of diluted standards as indicated in the chart below:

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
1	Reconstitute SAA1 Standard	N/A	N/A	1,000	500
2	500	300	300	600	250

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	250	300	300	600	125
4	125	300	300	600	62.5
5	62.5	300	300	600	31.2
6	31.2	300	300	600	15.6
7	15.6	300	300	600	7.8
8	N/A	0	300	300	0.0 (Blank)



### Typical Expected Data

Standard Curve and Calculations ONLY. Do not use below report for result calculations. A standard curve should be generated each time the test is performed.

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
1	500	2.914
2	250	2.385
3	125	1.71
4	62.5	1.193
5	31.2	0.684
6	15.6	0.381

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	7.8	0.197

**Standard Curve Graph**

