

CERTIFICATE OF ANALYSIS

Product: APOM ELISA Kit (Human)
Sku: OKEH01533
Lot: KG0431
Expiration Date: 2022.12

Performance Characteristics:

Intra-Assay CV	<= 4.0%	Passed
Inter-Assay CV	<= 7.6%	Passed
Limit of Detection (LOD)		<= 1.1 ng/mL
Assay Range		2.5 - 160 ng/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 320 ng Lyophilized APOM 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 APOM Standard	N/A	N/A	2,000	160
2	160	300	300	600	80

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	80	300	300	600	40
4	40	300	300	600	20
5	20	300	300	600	10
6	10	300	300	600	5.0
7	5.0	300	300	600	2.5
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	160	2.842
2	80	2.113
3	40	1.444
4	20	0.835
5	10	0.484
6	5.0	0.261

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	2.5	0.157

Standard Curve Graph

