

CERTIFICATE OF ANALYSIS

Product: LEAP2 ELISA Kit (Mouse)
SKU: OKEH03674
Lot: KH0577
Expiration Date: 2024.03

Performance Characteristics:

Intra-Assay CV	$\leq 6.3\%$	Passed
Inter-Assay CV	$\leq 9.1\%$	Passed
Limit of Detection (LOD)		≤ 0.329 ng/mL
Assay Range		0.625 - 40 ng/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 40 ng Lyophilized LEAP2 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 LEAP2 Standard	N/A	N/A	1,000	40
2	40	300	300	600	20

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	20	300	300	600	10
4	10	300	300	600	5.0
5	5.0	300	300	600	2.5
6	2.5	300	300	600	1.25
7	1.25	300	300	600	0.625
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	40	0.15
2	20	0.232
3	10	0.358
4	5.0	0.565
5	2.5	0.874
6	1.25	1.31

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	0.625	1.638

Standard Curve Graph

