

CERTIFICATE OF ANALYSIS

Product: BMP2 ELISA Kit (Mouse)
SKU: OKEH00026
Lot: KF0995
Expiration Date: 2022.02

Performance Characteristics:

Intra-Assay CV	<= 5.1%	Passed
Inter-Assay CV	<= 8.3%	Passed
Limit of Detection (LOD)		<= 31.25 pg/mL
Assay Range		62.5 - 4000 pg/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 4000 pg Lyophilized BMP2 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 (pg/mL)
1	Reconstitute BMP2 Standard	N/A	N/A	1,000	4000
2	4000	300	300	600	2000

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	2000	300	300	600	1000
4	1000	300	300	600	500
5	500	300	300	600	250
6	250	300	300	600	125
7	125	300	300	600	62.5
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 (pg/mL)	Background Adjusted OD Value
1	4000	2.525
2	2000	1.321
3	1000	0.611
4	500	0.31
5	250	0.163
6	125	0.075

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	62.5	0.033

Standard Curve Graph

