

## CERTIFICATE OF ANALYSIS

**Product:** MSH2 ELISA Kit (Human)  
**SKU:** OKEH01843  
**Lot:** KF0790  
**Expiration Date:** 2021.12

### Performance Characteristics:

Intra-Assay CV	<= 4.5%	Passed
Inter-Assay CV	<= 7.9%	Passed
Limit of Detection (LOD)		<= 32 pg/mL
Assay Range		78 - 5000 pg/mL

### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 5000 pg Lyophilized MSH2 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 MSH2 Standard	N/A	N/A	1,000	5000
2	5000	300	300	600	2500

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	2500	300	300	600	1250
4	1250	300	300	600	625
5	625	300	300	600	312
6	312	300	300	600	156
7	156	300	300	600	78
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	5000	2.88
2	2500	2.074
3	1250	1.15
4	625	0.539
5	312	0.24
6	156	0.099

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	78	0.051

### Standard Curve Graph

