



CERTIFICATE OF ANALYSIS

Product: Mouse SOD2 ELISA Kit

Catalog No: OKEH05211

Lot No: KG0181

Expiration Date: 2022.09

Performance Characteristics:

Intra-Assay CV	< 6.2%	Passed
Inter-Assay CV	< 8.7%	Passed
Limit of Detection (LOD)		< 38 pg/mL
Assay Range		78 – 5000 pg/mL

Standard Dilution:

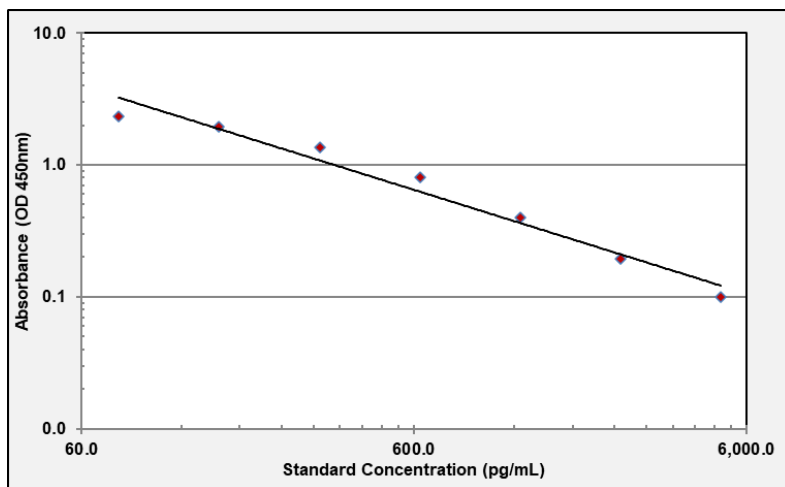
Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 20,000 pg Lyophilized SOD2 Standard. Mix gently until dissolved. Leave the vial at ambient temperature for 15 minutes.

Prepare a 5,000 pg/mL Standard by adding 500 µL of 10,000 pg/mL Standard to 500 µL of Sample Diluent in Tube #1. Mix gently and thoroughly.

Standard Number (Tube)	Standard to Dilute	Volume Standard to Dilute (µL)	Volume Sample Diluent (µL)	Total Volume (µL)	Final Concentration (pg/mL)
Standard	20,000 pg SOD2 Standard	NA	2,000	2,000	10,000 pg/mL
1	10,000 pg/mL	500	500	1,000	5,000 pg/mL
2	5,000 pg/mL	300	300	600	2,500 pg/mL
3	2,500 pg/mL	300	300	600	1,250 pg/mL
4	1,250 pg/mL	300	300	600	625 pg/mL
5	625 pg/mL	300	300	600	312 pg/mL
6	312 pg/mL	300	300	600	156 pg/mL
7	156 pg/mL	300	300	600	78 pg/mL
8	N/A	0	300	300	0.0 (Blank)

Sample 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 Curve Graph



Standard pg/mL	Absorbance (OD 450nm)
5,000	0.099
2,500	0.194
1,250	0.402
625	0.800
313	1.361
156	1.962
78	2.316