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CERTIFICATE OF ANALYSIS

Product: Rat SOD3 ELISA Kit

Catalog No: OKEH03478

Lot No: KE1688

Expiration Date: 2021.06

Performance Characteristics:

Intra-Assay CV	< 5.2%	Passed
Inter-Assay CV	< 9.7%	Passed
Limit of Detection (LOD)		< 7.12 pg/mL
Assay Range		15.6 – 1,000 pg/mL

Standard Dilution:

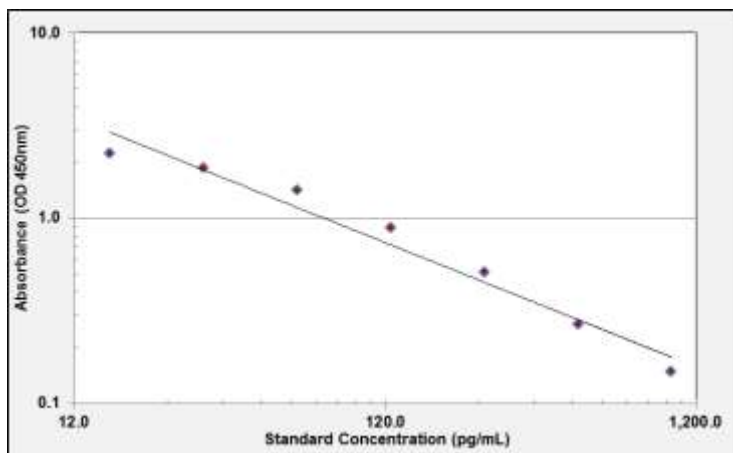
Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 4,000 pg Lyophilized SOD3 Standard. Mix gently until dissolved. Leave the vial at ambient temperature for 15 minutes.

Prepare a 1,000 pg/mL Standard by adding 500 µL of 2,000 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	4,000 pg/mL SOD3 Standard	NA	2,000	2,000	2,000 pg/mL
1	2,000 pg/mL	500	500	1,000	1,000 pg/mL
2	1,000 pg/mL	300	300	600	500 pg/mL
3	500 pg/mL	300	300	600	250 pg/mL
4	250 pg/mL	300	300	600	125 pg/mL
5	125 pg/mL	300	300	600	62.5 pg/mL
6	62.5 pg/mL	300	300	600	31.2 pg/mL
7	31.2 pg/mL	300	300	600	15.6 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)
1,000	0.147
500	0.264
250	0.504
125	0.878
62.5	1.407
31.2	1.848
15.6	2.216