

CERTIFICATE OF ANALYSIS

Product: PLK1 ELISA Kit (Human)
Sku: OKEH04685
Lot: KE1390
Expiration Date: 2021.05

Performance Characteristics:

Intra-Assay CV	<= 5.3%	Passed
Inter-Assay CV	<= 8.9%	Passed
Limit of Detection (LOD)		<= 3.4 pg/mL
Assay Range		7.8 - 500 pg/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 500 pg Lyophilized PLK1 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 PLK1 Standard	N/A	N/A	1,000	500
2	500	300	300	600	250

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	250	300	300	600	125
4	125	300	300	600	62.5
5	62.5	300	300	600	31.2
6	31.2	300	300	600	15.6
7	15.6	300	300	600	7.8
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	500	1.987
2	250	1.511
3	125	0.981
4	62.5	0.549
5	31.2	0.336
6	15.6	0.165

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	7.8	0.095

Standard Curve Graph

