

## CERTIFICATE OF ANALYSIS

**Product:** NPC1 ELISA Kit (Human)  
**Sku:** OKEH08372  
**Lot:** KE1447  
**Expiration Date:** 2021.05

### Performance Characteristics:

Intra-Assay CV	<= 4.8%	Passed
Inter-Assay CV	<= 7.7%	Passed
Limit of Detection (LOD)		<= 6.85 pg/mL
Assay Range		15.6 - 1000 pg/mL

### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 1000 pg Lyophilized NPC1 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 NPC1 Standard	N/A	N/A	1,000	1000
2	1000	300	300	600	500

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	500	300	300	600	250
4	250	300	300	600	125
5	125	300	300	600	62.5
6	62.5	300	300	600	31.2
7	31.2	300	300	600	15.6
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	1000	2.534
2	500	1.999
3	250	1.348
4	125	0.88
5	62.5	0.523
6	31.2	0.284

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	15.6	0.161

Standard Curve Graph

