

CERTIFICATE OF ANALYSIS

Product: CNTF ELISA Kit (Mouse)
Sku: OKEH04032
Lot: KE1714
Expiration Date: 2021.06

Performance Characteristics:

Intra-Assay CV	<= 5.7%	Passed
Inter-Assay CV	<= 9.5%	Passed
Limit of Detection (LOD)		<= 19.5 pg/mL
Assay Range		39 - 2500 pg/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 2500 pg Lyophilized CNTF 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 CNTF Standard	N/A	N/A	1,000	2500
2	2500	300	300	600	1250

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	1250	300	300	600	625
4	625	300	300	600	312
5	312	300	300	600	156
6	156	300	300	600	78
7	78	300	300	600	39
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	2500	2.762
2	1250	1.663
3	625	0.945
4	312	0.436
5	156	0.233
6	78	0.14

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	39	0.072

Standard Curve Graph

