

CERTIFICATE OF ANALYSIS

Product: CXCR4 ELISA Kit (Rat)
Sku: OKEH06043
Lot: KE1542
Expiration Date: 2021.06

Performance Characteristics:

Intra-Assay CV	<= 5.3%	Passed
Inter-Assay CV	<= 8.2%	Passed
Limit of Detection (LOD)		<= 39.4 pg/mL
Assay Range		78 - 5000 pg/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 10000 pg Lyophilized CXCR4 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 CXCR4 Standard	N/A	N/A	2,000	5000
2	5000	300	300	600	2500

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	2500	300	300	600	1250
4	1250	300	300	600	625
5	625	300	300	600	312
6	312	300	300	600	156
7	156	300	300	600	78
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	5000	2.613
2	2500	1.484
3	1250	0.724
4	625	0.328
5	312	0.172
6	156	0.061

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	78	0.042

Standard Curve Graph

