

## CERTIFICATE OF ANALYSIS

**Product:** PKLR ELISA Kit (Human)  
**Sku:** OKEH04156  
**Lot:** KG0185  
**Expiration Date:** 2022.09

### Performance Characteristics:

Intra-Assay CV	<= 3.2%	Passed
Inter-Assay CV	<= 6.8%	Passed
Limit of Detection (LOD)		<= 1.5 U/L
Assay Range		3.12 - 200 U/L

### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 400 U Lyophilized PKLR 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 (U/L)
1	Reconstitute PKLR Standard	N/A	N/A	2,000	200
2	200	300	300	600	100

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (U/L)
3	100	300	300	600	50
4	50	300	300	600	25
5	25	300	300	600	12.5
6	12.5	300	300	600	6.25
7	6.25	300	300	600	3.12
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 (U/L)	Background Adjusted OD Value
1	200	2.688
2	100	1.866
3	50	1.147
4	25	0.664
5	12.5	0.359
6	6.25	0.205

Standard Number	Concentration (U/L)	Background Adjusted OD Value
7	3.12	0.105

Standard Curve Graph

