

## CERTIFICATE OF ANALYSIS

**Product:** AKR1B10 ELISA Kit (Human)  
**Sku:** OKEH02121  
**Lot:** KF0269  
**Expiration Date:** 2021.09

### Performance Characteristics:

Intra-Assay CV	<= 6.3%	Passed
Inter-Assay CV	<= 10.3%	Passed
Limit of Detection (LOD)		<= 0.23 ng/mL
Assay Range		0.78 - 50 ng/mL

### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 50 ng Lyophilized AKR1B10 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 (ng/mL)
1	Reconstitute AKR1B10 Standard	N/A	N/A	1,000	50
2	50	300	300	600	25

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	25	300	300	600	12.5
4	12.5	300	300	600	6.25
5	6.25	300	300	600	3.12
6	3.12	300	300	600	1.56
7	1.56	300	300	600	0.78
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 (ng/mL)	Background Adjusted OD Value
1	50	2.5
2	25	1.515
3	12.5	0.722
4	6.25	0.315
5	3.12	0.118
6	1.56	0.052

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	0.78	0.023

Standard Curve Graph

