



## CERTIFICATE OF ANALYSIS

**Product:** Rat Prealbumin ELISA Kit

**Catalog No:** OKIA00159

**Lot No:** KH0697

**Expiration Date:** January, 2025

Kit Components	Lot Number	Contents
Plate	RT070623	1 plate of 96 wells with 12 strips
Calibrator	2005002D-100-L105	1 vial
HRP Conjugate	RT071323	1 vial
5X Diluent Buffer	---	50 mL
20X Wash Buffer	---	50 mL
Stop Solution	---	12 mL
Chromagen Substrate Solution	---	12 mL

### Performance Characteristics:

Intra-Assay CV	< 10%	Passed
Inter-Assay CV	< 10%	Passed
Control Serum Recovery	> 85%	Passed

### Calibrator Dilution:

Add 1.0 ml of distilled or de-ionized water to the calibrator and mix gently until dissolved. The calibrator is now at a concentration of 4.472 µg/ml (the reconstituted calibrator should be aliquoted and frozen if future use is intended). The standards need to be prepared immediately prior to use (see chart below). Mix well between each step. Avoid foaming.

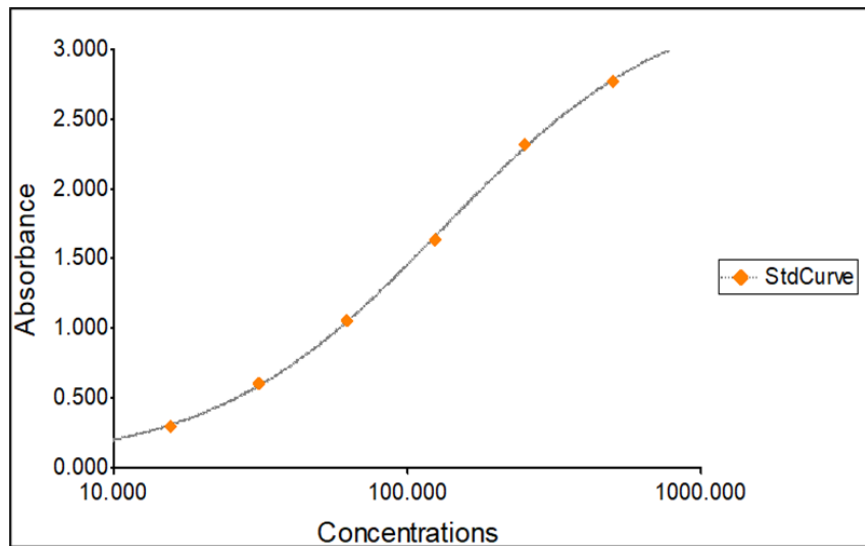
Standard	ng/ml	Volume added to 1X Diluent	Volume of 1X Diluent
6	500	90 µl of Rat PRE Calibrator	715 µl
5	250	300 µl standard 6	300 µl
4	125	300 µl standard 5	300 µl
3	62.50	300 µl standard 4	300 µl
2	31.25	300 µl standard 3	300 µl
1	15.63	300 µl standard 2	300 µl
0	0		600 µl

Sample 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 Curve Report

Standard #	Concentration (ng/mL)	Background Adjusted OD Value	Back Calculation	% Recovery
1	15.63	0.300	15.184	97.15
2	31.25	0.602	31.991	102.37
3	62.50	1.058	63.095	100.95
4	125	1.637	121.451	97.16
5	250	2.318	258.387	103.35
6	500	2.771	493.079	98.62

### Standard Curve Graph



**Standard Curve Background: 0.036 A<sub>450</sub>**