



CERTIFICATE OF ANALYSIS

Product: Human CRABP2 ELISA Kit
Catalog No: OKEH00397
Lot No: KE1732
Expiration Date: 2021.06

Performance Characteristics:

| | | |
|--------------------------|---------|-----------------|
| Intra-Assay CV | < 6.9% | Passed |
| Inter-Assay CV | < 11.5% | Passed |
| Limit of Detection (LOD) | | < 0.185 ng/mL |
| Assay Range | | 3.9 – 250 ng/mL |

Standard Dilution:

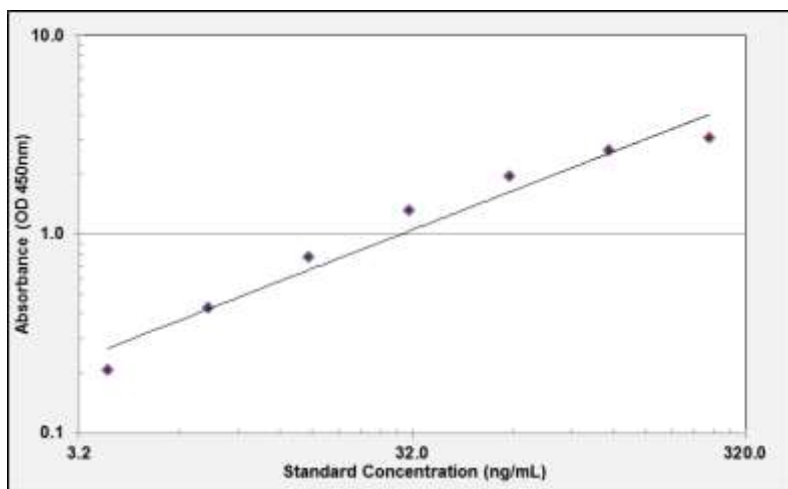
Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 1,000 ng Lyophilized CRABP2 Standard. Mix gently until dissolved. Leave the vial at ambient temperature for 15 minutes.

Prepare a 250 ng/mL Standard by adding 500 µL of 500 ng/mL Standard to 500 µL of Sample Diluent in Tube #1. Mix gently and thoroughly.

| Standard Number (Tube) | Standard to Dilute | Volume Standard to Dilute (µL) | Volume Sample Diluent (µL) | Total Volume (µL) | Final Concentration (ng/mL) |
|------------------------|-----------------------------|--------------------------------|----------------------------|-------------------|-----------------------------|
| Standard | 1,000 ng/mL CRABP2 Standard | NA | 2,000 | 2,000 | 500 ng/mL |
| 1 | 500 ng/mL | 500 | 500 | 1,000 | 250 ng/mL |
| 2 | 250 ng/mL | 300 | 300 | 600 | 125 ng/mL |
| 3 | 125 ng/mL | 300 | 300 | 600 | 62.5 ng/mL |
| 4 | 62.5 ng/mL | 300 | 300 | 600 | 31.2 ng/mL |
| 5 | 31.2 ng/mL | 300 | 300 | 600 | 15.6 ng/mL |
| 6 | 15.6 ng/mL | 300 | 300 | 600 | 7.8 ng/mL |
| 7 | 7.8 ng/mL | 300 | 300 | 600 | 3.9 ng/mL |
| 8 | N/A | 0 | 300 | 300 | 0.0 (Blank) |

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 Graph



| Standard ng/mL | Absorbance (OD 450nm) |
|-------------------|--------------------------|
| 250 | 3.035 |
| 125 | 2.606 |
| 62.5 | 1.929 |
| 31.3 | 1.303 |
| 15.6 | 0.760 |
| 7.8 | 0.422 |
| 3.9 | 0.206 |