

CERTIFICATE OF ANALYSIS

Product: PRDX5 ELISA Kit (Human)

Sku: OKEH02874

Lot: KE1739

Expiration Date: 2021.06

Performance Characteristics:

| | | |
|--------------------------|--------------|-------------------|
| Intra-Assay CV | $\leq 4.2\%$ | Passed |
| Inter-Assay CV | $\leq 8.1\%$ | Passed |
| Limit of Detection (LOD) | | ≤ 0.23 ng/mL |
| Assay Range | | 0.78 - 50 ng/mL |

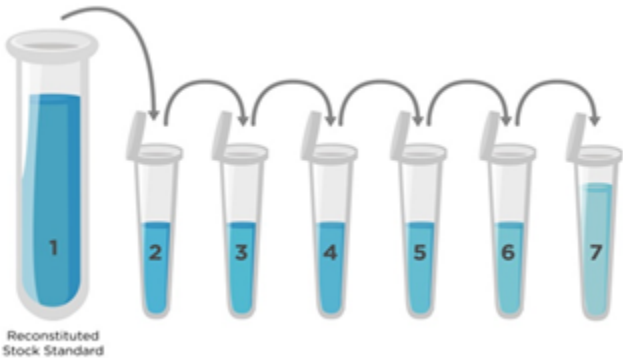
Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 50 ng Lyophilized PRDX5 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 PRDX5 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 | 2.635 |
| 2 | 25 | 1.983 |
| 3 | 12.5 | 1.248 |
| 4 | 6.25 | 0.744 |
| 5 | 3.12 | 0.408 |
| 6 | 1.56 | 0.199 |

| Standard Number | Concentration (ng/mL) | Background Adjusted OD Value |
|-----------------|-----------------------|------------------------------|
| 7 | 0.78 | 0.09 |

Standard Curve Graph

