

## CERTIFICATE OF ANALYSIS

**Product:** OAS1 ELISA Kit (Human)  
**SKU:** OKEH00383  
**Lot:** KF0491  
**Expiration Date:** 2021.10

### Performance Characteristics:

|                          |               |                   |
|--------------------------|---------------|-------------------|
| Intra-Assay CV           | $\leq 7.2\%$  | Passed            |
| Inter-Assay CV           | $\leq 10.7\%$ | Passed            |
| Limit of Detection (LOD) |               | $\leq 0.74$ ng/mL |
| Assay Range              |               | 1.56 - 100 ng/mL  |

### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 100 ng Lyophilized OAS1 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 OAS1 Standard | N/A                            | N/A                               | 1,000             | 100                         |
| 2                      | 100                        | 300                            | 300                               | 600               | 50                          |

| Standard Number (Tube) | Standard To Dilute | Volume Standard To Dilute (uL) | Volume Sample Diluent Buffer (uL) | Total Volume (uL) | Final Concentration (ng/mL) |
|------------------------|--------------------|--------------------------------|-----------------------------------|-------------------|-----------------------------|
| 3                      | 50                 | 300                            | 300                               | 600               | 25                          |
| 4                      | 25                 | 300                            | 300                               | 600               | 12.5                        |
| 5                      | 12.5               | 300                            | 300                               | 600               | 6.25                        |
| 6                      | 6.25               | 300                            | 300                               | 600               | 3.12                        |
| 7                      | 3.12               | 300                            | 300                               | 600               | 1.56                        |
| 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               | 100                   | 2.998                        |
| 2               | 50                    | 1.967                        |
| 3               | 25                    | 0.951                        |
| 4               | 12.5                  | 0.409                        |
| 5               | 6.25                  | 0.2                          |
| 6               | 3.12                  | 0.095                        |

| Standard Number | Concentration (ng/mL) | Background Adjusted OD Value |
|-----------------|-----------------------|------------------------------|
| 7               | 1.56                  | 0.049                        |

Standard Curve Graph

