



Aviva Systems Biology Corporation  
 7700 Ronson Rd, Suite 100  
 San Diego, CA 92111  
 Tel: 858-552-6979 Fax: 858 -552-6975  
 Email: [info@avivasysbio.com](mailto:info@avivasysbio.com)  
 Web: [www.avivasysbio.com](http://www.avivasysbio.com)

## CERTIFICATE OF ANALYSIS

**Product:** Human ITIH1 ELISA Kit

**Catalog No:** OKEH00806-24

**Lot No:** KE1736

**Expiration Date:** 2021.06

### Performance Characteristics:

Intra-Assay CV	< 5.3%	Passed
Inter-Assay CV	< 9.9%	Passed
Limit of Detection (LOD)		< 0.32 ng/mL
Assay Range		0.78 – 50 ng/mL

### Standard Dilution:

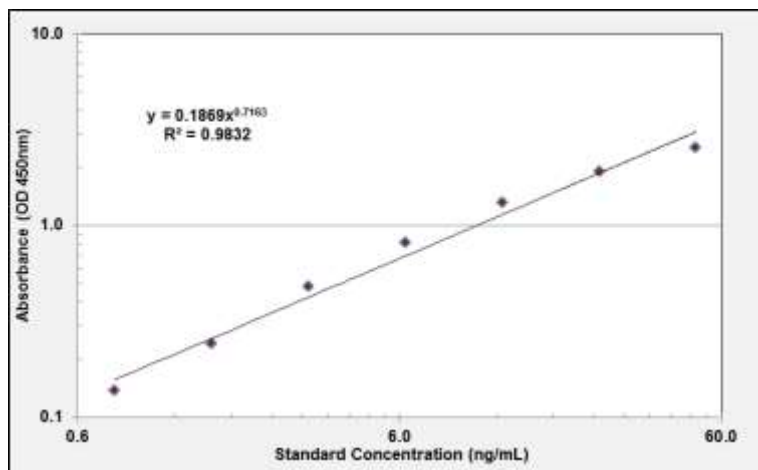
Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 400 ng Lyophilized ITIH1 Standard. Mix gently until dissolved. Leave the vial at ambient temperature for 15 minutes.

Prepare a 50 ng/mL Standard by adding 250 µL of 200 ng/mL Standard to 750 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	400 ng/mL ITIH1 Standard	NA	2,000	2,000	200 ng/mL
1	200 ng/mL	250	750	1,000	50 ng/mL
2	50 ng/mL	300	300	600	25 ng/mL
3	25 ng/mL	300	300	600	12.5 ng/mL
4	12.5 ng/mL	300	300	600	0.625 ng/mL
5	0.625 ng/mL	300	300	600	0.312 ng/mL
6	0.312 ng/mL	300	300	600	0.156 ng/mL
7	0.156 ng/mL	300	300	600	0.78 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)
50	2.523
25	1.891
12.5	1.311
6.25	0.804
3.13	0.474
1.56	0.240
0.78	0.136