CERTIFICATE OF ANALYSIS

Product: **Human Sclerostin ELISA Kit**

Catalog No: **MBS564168**

Lot No: **4**

Expiration Date: **January, 2019**

Kit Components	Part Number	Lot Number	Contents
Plate	PL-80SST	HU071217	1 plate of 96 wells with 12 strips
Calibrator	RC-80	2012002SST-5-L22B	1 vial
Detection Antibody 100X	BIO-80SST	HU072617BIO	1 vial
HRP Streptavidin 100X	STP-80SST	HU072617STP	1 vial
1X Diluent Buffer	E9-1X	---	60 mL
20X Wash Buffer	E3-20X	---	50 mL
Stop Solution	E5-STOP	---	12 mL
TMB Substrate Solution	E-TMB	---	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 16.0 ng/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.

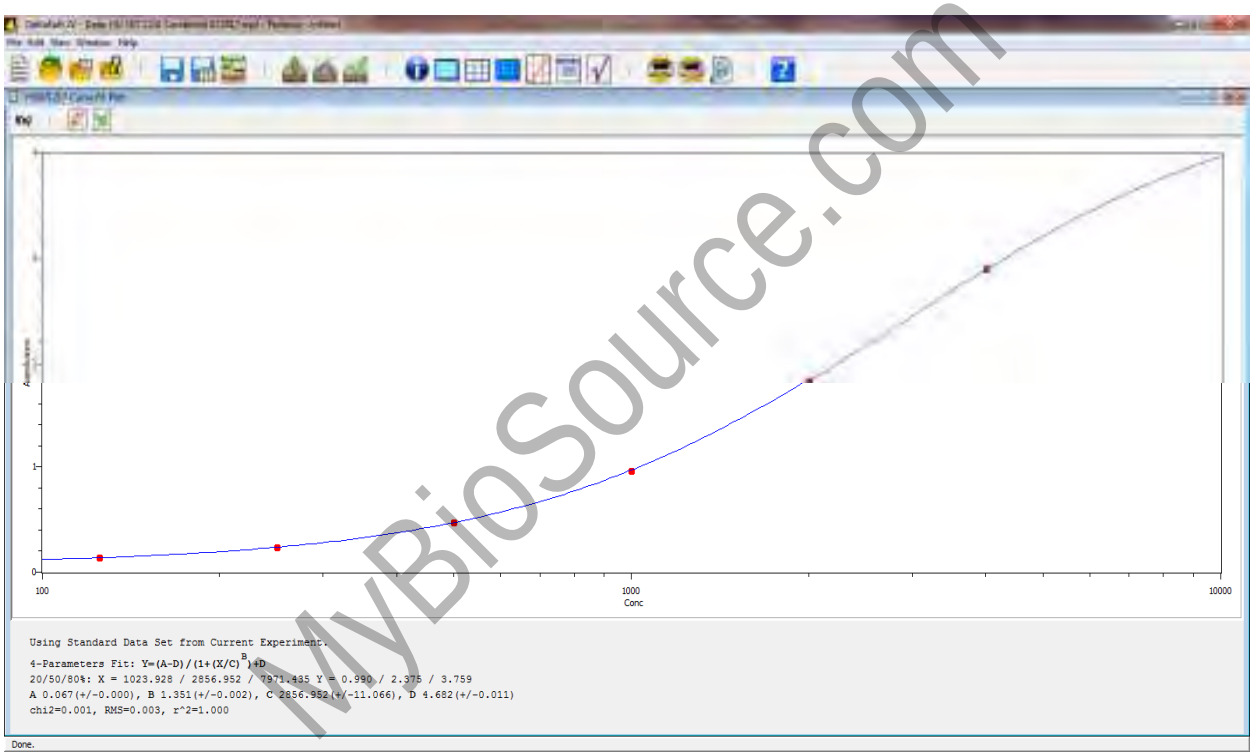
Standard	pg/ml	Volume added to 1X Diluent →	Volume of 1X Diluent
6	4000	200 µl Human SST Calibrator	600 µl
5	2000	300 µl standard 6	300 µl
4	1000	300 µl standard 5	300 µl
3	500	300 µl standard 4	300 µl
2	250	300 µl standard 3	300 µl
1	125	300 µl standard 2	300 µl
0	0		600 µl

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 (pg/mL)	Background Adjusted OD Value	Back Calculation	% Recovery
1	125	0.131	120.546	96.44
2	250	0.235	252.574	101.03
3	500	0.471	503.542	100.71
4	1000	0.962	995.076	99.51
5	2000	1.832	2004.695	100.23
6	4000	2.890	4005.146	100.13

Standard Curve Graph



Standard Curve Background: 0.129 450 nm OD