

## **CERTIFICATE OF ANALYSIS**

**Product:** Mouse IgM ELISA Kit

**Catalog No:** MBS564075

**Lot No:** 19

**Expiration Date:** November, 2024

Kit Components	Part Number	Lot Number	Contents
Plate	PL-90M	MO032923	1 plate of 96 wells with 12 strips
Calibrator	RC-90	2008003-10-L122	1 vial
HRP Conjugate	HRP-90M	MO050323	1 vial
5X Diluent Buffer	E1-5X	---	50 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 16.10 µg/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.

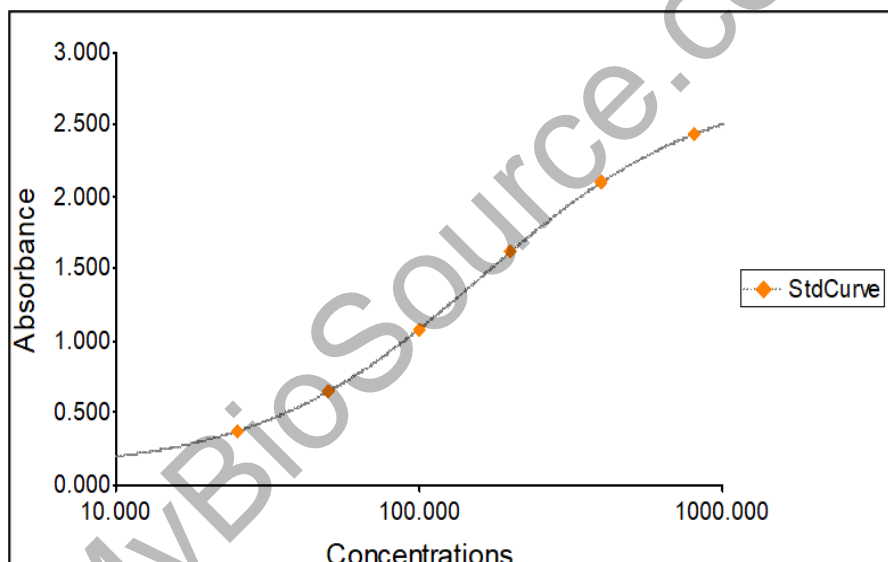
Standard	ng/ml	Volume added to 1X Diluent	Volume of 1X Diluent
6	800	40 µl of Mouse IgM Calibrator	765 µl
5	400	250 µl standard 6	250 µl
4	200	250 µl standard 5	250 µl
3	100	250 µl standard 4	250 µl
2	50	250 µl standard 3	250 µl
1	25	250 µl standard 2	250 µl
0	0		500 µl

**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 (ng/mL)	Background Adjusted OD Value	Back Calculation	% Recovery
1	25	0.375	25.030	100.12
2	50	0.649	50.069	100.14
3	100	1.082	99.761	99.76
4	200	1.626	202.349	101.17
5	400	2.100	402.897	100.72
6	800	2.436	821.680	102.71

### Standard Curve Graph



**Standard Curve Background: 0.039 A<sub>450</sub>**