

MBS9337458 Human Max-Like Protein X (MLX) ELISA Kit
LOT:11/2016

PRECISION:

Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.

Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

	Intra-Assay Precision			Inter-Assay Precision		
Sample	1	2	3	1	2	3
n	20	20	20	40	40	40
Mean (ng/ml)	4.79	8.66	18.9	4.84	8.66	17.5
Standard deviation	0.21	0.33	1.57	0.29	0.61	1.15
CV (%)	4.4	3.8	8.3	6.0	7.0	6.6

RECOVERY: The recovery of MLX spiked to levels throughout the range of the assay in cell culture media was evaluated.

Sample Type	Average % Recovery	Range
Cell Culture Media (n=4)	100	80-110%

LINEARITY: To assess the linearity of the assay, samples containing and/or spiked with high concentrations of MLX were serially diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

		EDTA plasma* (n=4)	Heparin plasma* (n=4)
1:2	Average % of Expected	99	102
	Range (%)	95-100	93-111
1:4	Average % of Expected	96	98
	Range (%)	89-106	92-104
1:8	Average % of Expected	94	96
	Range (%)	89-99	91-101
1:16	Average % of Expected	89	94
	Range (%)	88-91	91-97

SAMPLE VALUES: Serum/Plasma - Samples from apparently healthy Human were evaluated for the presence of MLX in this assay. No medical histories were available for the donors used in this study.

Sample Type	Mean (ng/ml)	Range (ng/ml)
EDTA plasma (n=35)	38.65	10.35-68.15
Heparin plasma (n=35)	25.03	7.38-45.96