

Antibody validation Quality Control Report

Human QSOX1 ELISA Kit 3.75-120pg/ml 1.0pg/ml
Coating antibody: MBS2017842 Conjugated antibody: MBS7109983 Antigen: MBS2011601

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 six separate assays to assess inter-assay precision

	Intra-Assay Precision			Inter-Assay Precision		
Sample	1	2	3	1	2	3
n	20	20	20	6	6	6
Mean (pg/ml)	10	30	60	10	30	60
Standard deviation	0.51	1.32	3.01	0.72	1.46	3.54
CV (%)	5.1	4.40	5.01	7.2	4.87	5.9

RECOVERY

The spike recovery was evaluated by spiking 3 levels of **Human QSOX1** into five health **Human** serum samples. The un-spiked tissue was used as blank in these experiments.
The recovery ranged from 78 % to 102 % with an overall mean recovery of 90 %.

LINEARITY

To assess the linearity of the assay, five samples were spiked with high concentration of **Human QSOX1** in **Human** serum homogenate and diluted with Standard Diluent to produce samples with values within the dynamic range of the assay.

	Average(%)	Range(%)
1:2	95	88-102
1:4	92	84-100
1:8	94	86-102
1:16	94	85-103

SAMPLE VALUES

Serum— Thirty samples from apparently healthy **Human** were evaluated for the presence of **Human QSOX1** in this assay.

Sample	No.	Range(pg/m)	Mean(pg/mL)
serum	30	16.5-50.28	33.39

STANDARD OD VALUE

Standard	Sample Diluent / Blank	S1	S2	S3	S4	S5	S6
OD	0.064	0.115	0.188	0.301	0.542	0.975	2.103

