

## MBS9329337 Human Tetraspanin 2 (TSPAN2) ELISA Kit

### 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 twenty separate assays to assess inter-assay precision.

Assays were performed by at least three technicians using two lots of components.

Sample	Intra-Assay Precision			Inter-Assay Precision		
	1	2	3	1	2	3
n	20	20	20	20	20	20
Mean (ng/ml)	48.1	317	587	45.8	301	587
Standard deviation	2.5	13.2	27.1	3.4	13.7	31.6
CV (%)	5.2	4.2	4.6	7.4	4.6	5.4

**RECOVERY:** The recovery of Human TSPAN2 spiked to three levels in samples throughout the range of the assay was evaluated.

Sample Type	Average % Recovery	Range
Cell culture media (n=5)	98	91-109%

**LINEARITY:** To assess the linearity of the assay, samples were spiked with high concentrations of Human TSPAN2 in various matrices and diluted with the appropriate Calibrator Diluent to produce samples with values within the dynamic range of the assay.

		Serum (n=5)	EDTA plasma (n=5)	Heparin plasma (n=5)
1:2	Average % of Expected	105	104	99
	Range (%)	100-113	100-108	91-103
1:4	Average % of Expected	102	105	100
	Range (%)	97-107	100-113	87-109
1:8	Average % of Expected	100	102	104
	Range (%)	96-109	93-107	95-110
1:16	Average % of Expected	97	102	108
	Range (%)	92-102	95-112	102-111

**SAMPLE VALUES:** Serum/Plasma - Samples from apparently healthy Human were evaluated for the presence of TSPAN2 in this assay. No medical histories were available for the donors used in this study.

Sample Type	Mean (ng/ml)	Range (ng/ml)
Serum (n=35)	285	115-586
EDTA plasma (n=35)	225	95-502
Heparin plasma (n=35)	186	98-455