

# Human Xin Actin-Binding Repeat-Containing Protein 2 (XIRP2)

## ELISA Kit

Catalog #: MBS9328713

Lot:05/2021

### 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

Sample	Intra-Assay Precision			Inter-Assay Precision		
	1	2	3	1	2	3
n	20	20	20	6	6	6
Mean (pg/ml)	95.8	286.8	617.1	104.7	269.8	660
Standard deviation	5.8	14.9	24.8	7.9	18.4	36.5
CV (%)	6.1	5.2	4.0	7.6	6.8	5.5

### RECOVERY

The spike recovery was evaluated by spiking 3 levels of Human XIRP2 into five health Human serum samples. The un-spiked serum was used as blank in these experiments.

The recovery ranged from 73 % to 105 % with an overall mean recovery of 88 %.

### LINEARITY

To assess the linearity of the assay, five samples were spiked with high concentration of XIRP2 in Human serum and diluted with Standard Diluent to produce samples with values within the dynamic range of the assay.

	Average(%)	Range(%)
1:2	101	95-106
1:4	98	91-104
1:8	95	89-100
1:16	96	88-102

### SAMPLE VALUES

Serum– Thirty samples from apparently healthy Human were evaluated for the presence of XIRP2 in this assay.

Sample	No.	Range(pg/ml)	Mean(pg/ml)
serum	30	88.68-688.97	312.65

### STANDARD OD VALUE

Standard	Sample Diluent / Blank	S1	S2	S3	S4	S5	S6
OD	0.053	0.123	0.265	0.398	0.671	1.023	1.998