



Human Myelin protein P0 (MPZ) ELISA kit

Product Code	CSB-E17187h
Abbreviation	MPZ
Target Name	myelin protein zero
Uniprot No.	P25189
Alias	CHM, CMT1, CMT1B, CMT2I, CMT2J, CMT4E, CMTDI3, DSS, HMSNIB, MPP, P0, Charcot-Marie-Tooth neuropathy 1B
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	MPZ
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human MPZ ELISA Kit was designed for the quantitative measurement of Human MPZ protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/mL.
Target Details	This gene encodes a major structural protein of peripheral myelin. Mutations in this gene result in the autosomal dominant form of Charcot-Marie-Tooth disease type 1 as other polyneuropathies.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.



Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human MPZ in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	92
	Range %	88-96
1:2	Average %	96
	Range %	92-100
1:4	Average %	89
	Range %	85-93
1:8	Average %	94
	Range %	90-97

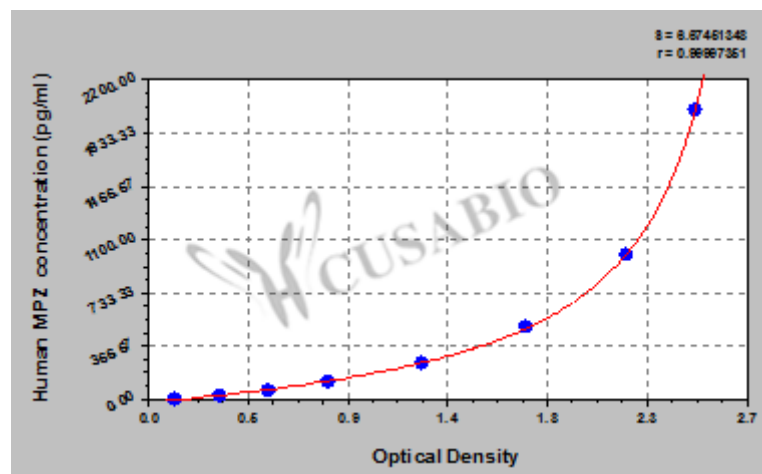
Recovery

The recovery of human MPZ spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	106	101-112
EDTA plasma (n=4)	97	92-101

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
2000	2.493	2.516	2.505	2.376
1000	2.284	2.101	2.193	2.064
500	1.715	1.753	1.734	1.605
250	1.271	1.243	1.257	1.128
125	0.849	0.812	0.831	0.702
62.5	0.542	0.579	0.561	0.432
31.25	0.327	0.344	0.336	0.207
0	0.130	0.127	0.129	?

Msds

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