Human Muscle Skeletal Receptor Tyrosine Kinase (MUSK) ELISA Kit

Product Code	CSB-E15804h
Abbreviation	MUSK
Target Name	muscle, skeletal, receptor tyrosine kinase
Uniprot No.	O15146
Alias	RP11-104M22.1, MGC126323, MGC126324, skeletal muscle receptor tyrosine kinase
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	1.56 pg/mL-100 pg/mL
Sensitivity	0.39 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	Signal Transduction
Gene Names	MUSK
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human MUSK ELISA Kit was designed for the quantitative measurement of Human MUSK protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.56 pg/mL-100 pg/mL and the sensitivity is 0.39 pg/mL.
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 MUSK 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)
1:100	Average %	97
	Range %	91-103
1:200	Average %	89
	Range %	84-95
1:400	Average %	95
	Range %	90-99
1:800	Average %	103
	Range %	99-109

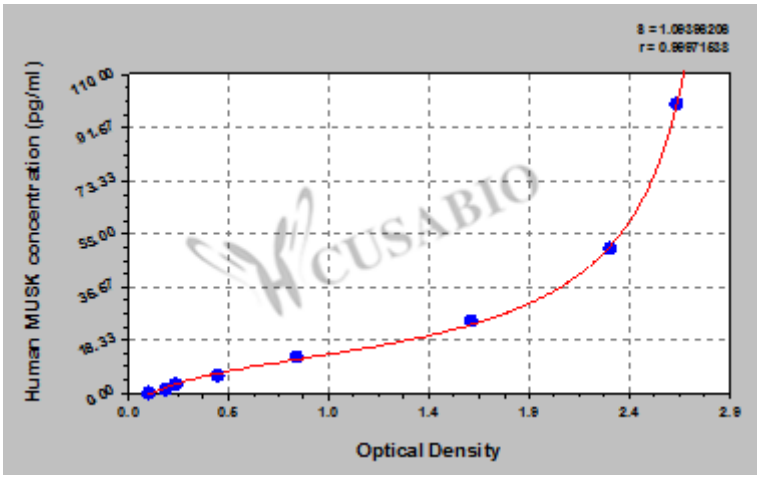
Recovery

The recovery of human MUSK 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)	90	85-99
EDTA plasma (n=4)	98	94-102

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
100	2.675	2.552	2.614	2.510
50	2.226	2.376	2.301	2.197
25	1.672	1.594	1.633	1.529
12.5	0.792	0.816	0.804	0.700
6.25	0.446	0.427	0.437	0.333
3.12	0.236	0.231	0.234	0.130
1.56	0.180	0.189	0.185	0.081
0	0.106	0.102	0.104	

Msds

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