Human E3 ubiquitin-protein ligase TRIM63(TRIM63) ELISA kit

Product Code	CSB-EL024502HU
Abbreviation	TRIM63
Protein Biological Process 1	Ubiquitin
Target Name	tripartite motif-containing 63
Uniprot No.	Q969Q1
Alias	FLJ32380, IRF, MURF1, MURF2, RNF28, SMRZ, iris ring finger protein|muscle specific ring finger protein 1|muscle specific ring finger protein 2|ring finger protein 28|striated muscle RING zinc finger
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Ubl conjugation pathway
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	12.5 pg/mL-800 pg/mL
Sensitivity	3.1 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	Cell Biology
Gene Names	TRIM63
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human TRIM63 ELISA Kit was designed for the quantitative measurement of Human TRIM63 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 12.5 pg/mL-800 pg/mL and the sensitivity is 3.1 pg/mL.
Target Details	This gene encodes a member of the RING zinc finger protein family found in striated muscle and iris. The product of this gene is localized to the Z-line and M-line lattices of myofibrils, where titin s N-terminal and C-terminal regions

respectively bind to the sarcomere. In vitro binding studies have shown that this protein also binds directly to titin near the region of titin containing kinase activity. Another member of this protein family binds to microtubules. Since these family members can form heterodimers, this suggests that these proteins may serve as a link between titin kinase and microtubule-dependent signal pathways in muscle.

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 TRIM63 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)
1:5	Average %	91
	Range %	87-95
1:10	Average %	97
	Range %	93-101
1:20	Average %	102
	Range %	99-104
1:40	Average %	88
	Range %	86-90

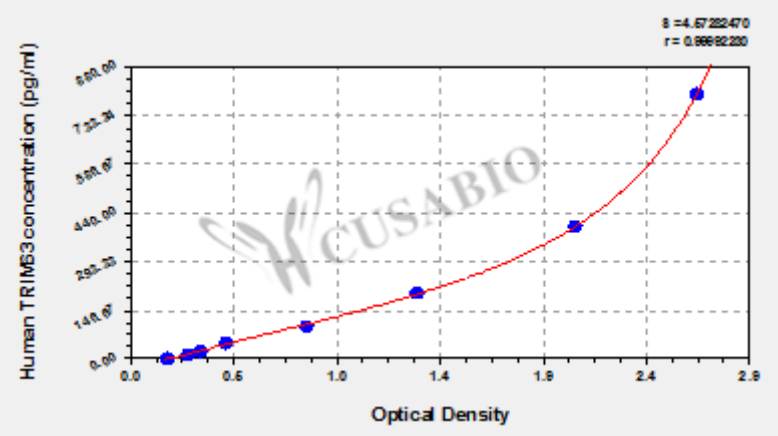
Recovery

The recovery of human TRIM63 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	86-94
EDTA plasma (n=4)	102	98-106

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
800	2.508	2.725	2.617	2.430
400	2.013	2.112	2.063	1.876
200	1.337	1.325	1.331	1.144
100	0.825	0.827	0.826	0.639
50	0.474	0.440	0.457	0.270
25	0.339	0.330	0.335	0.148
12.5	0.271	0.282	0.277	0.090
0	0.184	0.189	0.187	

Msds

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