



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

Product Code	CSB-EL015319HU
Abbreviation	MYLIP
Protein Biological Process 1	Ubiquitin
Target Name	myosin regulatory light chain interacting protein
Uniprot No.	Q8WY64
Alias	RP1-13D10.1, IDOL, MIR, band 4.1 superfamily member BZF1 cellular modulator of immune recognition (c-MIR)
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	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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	MYLIP
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human MYLIP ELISA Kit was designed for the quantitative measurement of Human MYLIP protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.

Target Details

The ERM protein family members ezrin, radixin, and moesin are cytoskeletal effector proteins linking actin to membrane-bound proteins at the cell surface. Myosin regulatory light chain interacting protein (MYLIP) is a novel ERM-like protein that interacts with myosin regulatory light chain and inhibits neurite



outgrowth.

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 MYLIP 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)
	Average %	105
1:1	Range %	100-110
	Average %	96
1:2	Range %	92-99
	Average %	89
1:4	Range %	84-94
	Average %	93
1:8	Range %	90-96

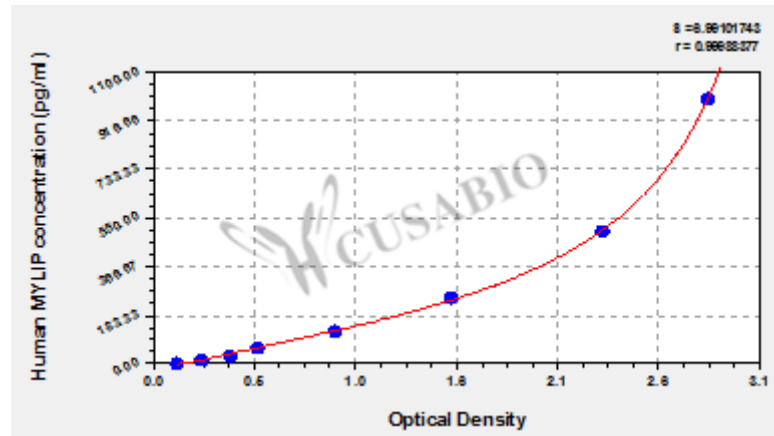
Recovery

The recovery of human MYLIP 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)	101	99-103
EDTA plasma (n=4)	90	85-95

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
1000	2.778	2.864	2.821	2.689
500	2.270	2.305	2.288	2.156
250	1.520	1.532	1.526	1.394
125	0.919	0.956	0.938	0.806
62.5	0.554	0.524	0.539	0.407
31.2	0.408	0.398	0.403	0.271
15.6	0.263	0.258	0.261	0.129
0	0.129	0.134	0.132	?

Msds

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