



# Mouse Ezrin(EZR) ELISA kit

<b>Product Code</b>	CSB-EL007914MO
<b>Abbreviation</b>	EZR
<b>Protein Biological Process 1</b>	Cell Cycle
<b>Target Name</b>	ezrin
<b>Uniprot No.</b>	P26040
<b>Alias</b>	CVIL, CVL, DKFZp762H157, FLJ26216, MGC1584, VIL2, cytovillin 2 villin 2 (ezrin)
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Protein Biological Process 3</b>	Cell shape
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	62.5 pg/mL-4000 pg/mL
<b>Sensitivity</b>	15.6 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Signal Transduction
<b>Gene Names</b>	Ezr
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich

**Description**

This Mouse EZR ELISA Kit was designed for the quantitative measurement of Mouse EZR protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 62.5 pg/mL-4000 pg/mL and the sensitivity is 15.6 pg/mL.

**Target Details**

The cytoplasmic peripheral membrane protein encoded by this gene functions as a protein-tyrosine kinase substrate in microvilli. As a member of the ERM protein family, this protein serves as an intermediate between the plasma membrane and the actin cytoskeleton. This protein plays a key role in cell surface structure adhesion, migration and organization, and it has been implicated in various human cancers. A pseudogene located on chromosome 3 has been identified for this gene. Alternatively spliced variants have also been



described for this gene.

### 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 mouse EZR 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 %	86
	Range %	80-91
1:2	Average %	96
	Range %	91-102
1:4	Average %	103
	Range %	97-108
1:8	Average %	93
	Range %	89-97

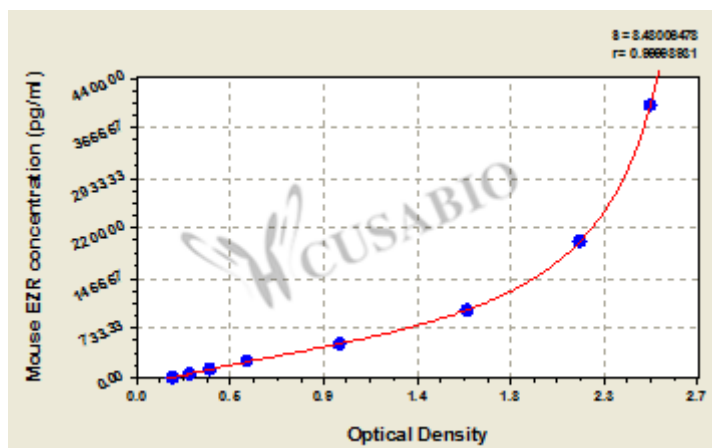
### Recovery

The recovery of mouse EZR 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)	96	92-102
EDTA plasma (n=4)	87	80-92

### 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
4000	2.412	2.526	2.469	2.284
2000	2.113	2.148	2.131	1.946
1000	1.632	1.562	1.597	1.412
500	0.978	0.996	0.987	0.802
250	0.546	0.531	0.539	0.354
125	0.369	0.361	0.365	0.180
62.5	0.268	0.274	0.271	0.086
0	0.186	0.184	0.185	?

## Msds

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