



# Mouse Apoptosis-associated speck-like protein containing a CARD(PYCARD) ELISA kit

<b>Product Code</b>	CSB-EL019114MO
<b>Abbreviation</b>	PYCARD
<b>Protein Biological Process 1</b>	Apoptosis/Autophagy
<b>Target Name</b>	PYD and CARD domain containing
<b>Uniprot No.</b>	Q9EPB4
<b>Alias</b>	ASC, CARD5, MGC10332, TMS, TMS-1, TMS1, apoptosis-associated speck-like protein containing a CARD caspase recruitment domain protein 5 target of methylation-induced silencing-1
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Protein Biological Process 3</b>	Apoptosis
<b>Sample Types</b>	serum, plasma, tissue homogenates, cell lysates
<b>Detection Range</b>	7.81 pg/mL-500 pg/mL
<b>Sensitivity</b>	1.95 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>	Cell Biology
<b>Gene Names</b>	Pycard
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Mouse PYCARD ELISA Kit was designed for the quantitative measurement of Mouse PYCARD protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 7.81 pg/mL-500 pg/mL and the sensitivity is 1.95 pg/mL.
<b>Target Details</b>	This gene encodes an adaptor protein that is composed of two protein-protein interaction domains: a N-terminal PYRIN-PAAD-DAPIN domain (PYD) and a C-terminal caspase-recruitment domain (CARD). The PYD and CARD domains



are members of the six-helix bundle death domain-fold superfamily that mediates assembly of large signaling complexes in the inflammatory and apoptotic signaling pathways via the activation of caspase. In normal cells, this protein is localized to the cytoplasm; however, in cells undergoing apoptosis, it forms ball-like aggregates near the nuclear periphery. Two transcript variants encoding different isoforms have been found 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 PYCARD 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 %	103
	Range %	95-107
1:2	Average %	95
	Range %	87-99
1:4	Average %	96
	Range %	86-100
1:8	Average %	107
	Range %	96-111

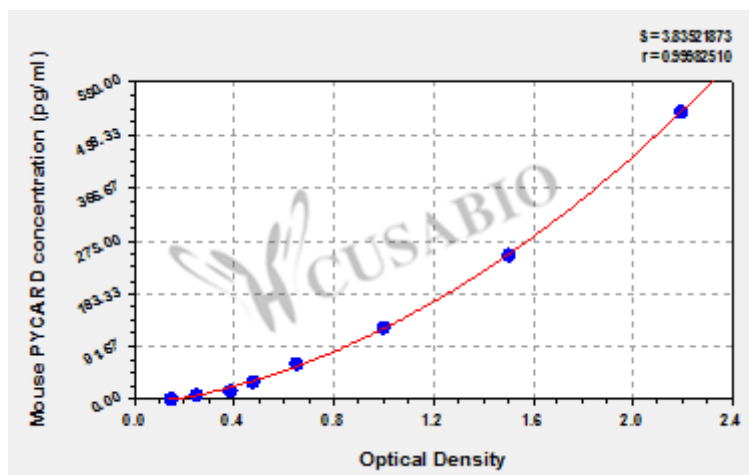
## Recovery

The recovery of mouse PYCARD 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)	95	86-99
EDTA plasma (n=4)	103	95-107

## 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
500	2.168	2.237	2.203	2.042
250	1.522	1.504	1.513	1.352
125	1.000	1.020	1.010	0.849
62.5	0.644	0.682	0.663	0.502
31.25	0.476	0.502	0.489	0.328
15.62	0.390	0.407	0.399	0.238
7.81	0.267	0.259	0.263	0.102
0	0.159	0.163	0.161	?

## Msds

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