



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

Product Code	CSB-EL019114MO
Abbreviation	PYCARD
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	PYD and CARD domain containing
Uniprot No.	Q9EPB4
Alias	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
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	7.81 pg/mL-500 pg/mL
Sensitivity	1.95 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	Pycard
Tag Info	quantitative
Protein Description	Sandwich
Description	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.
Target Details	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

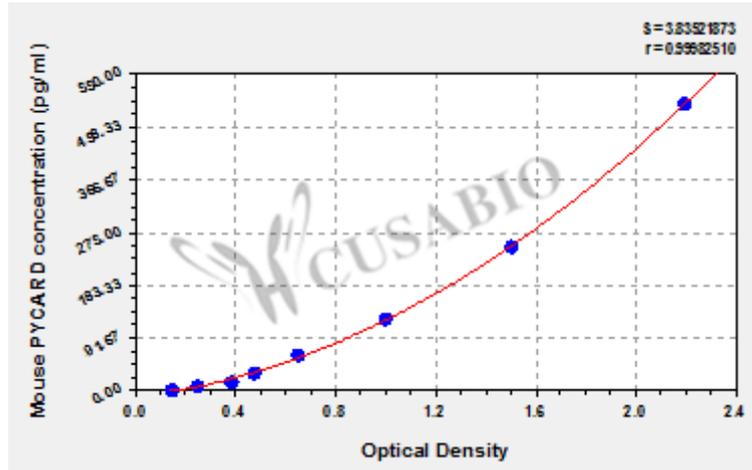
Recovery

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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