

For Research Use Only

# ASC/TMS1 Recombinant antibody

Catalog Number:83858-3-RR



## Basic Information

<b>Catalog Number:</b> 83858-3-RR	<b>GenBank Accession Number:</b> NM_023258	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 66824	<b>CloneNo.:</b> 240908D5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9EPB4	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG	<b>Full Name:</b> PYD and CARD domain containing	
<b>Immunogen Catalog Number:</b> AG32519	<b>Calculated MW:</b> 21KD	
	<b>Observed MW:</b> 21-25 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : J774A.1 cells, mouse lung tissue, mouse thymus tissue, mouse spleen tissue
<b>Species Specificity:</b> mouse	

## Background Information

PYCARD (PYD and CARD domain containing), also known as ASC and CARD5. The calculated molecular weight of PYCARD is 21 kDa. It is located in cytosol, extracellular region and nucleus. PYCARD is also expressed in several structures, including alimentary system; brain; heart; hemolymphoid system gland; and urinary system. The gene enables identical protein binding activity and protein dimerization activity. Involved in several processes, including activation of cysteine-type endopeptidase activity; positive regulation of cytokine production; and regulation of defense response. It acts upstream of or within several processes, including defense response to Gram-positive bacterium; positive regulation of macromolecule metabolic process; and regulation of autophagy. It is also a part of inflammasome complex. Finally, it orthologous to human PYCARD (PYD and CARD domain containing).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

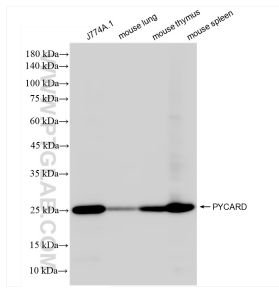
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

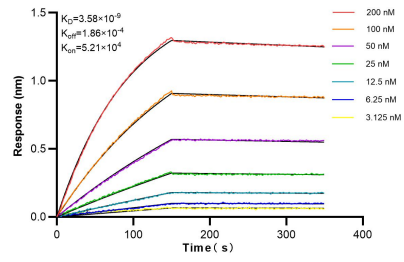
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83858-3-RR (PYCARD antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83858-3-RR against Mouse PYCARD were performed. The affinity constant is 3.58 nM.