

For Research Use Only

# CARD9 Recombinant monoclonal antibody

Catalog Number: 85749-1-RR



## Basic Information

|                                                                |                                                                  |                                                       |
|----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>85749-1-RR                           | <b>GenBank Accession Number:</b><br>BC008877                     | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>64170                                   | <b>CloneNo.:</b><br>250045G3                          |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>Q9H257                                     | <b>Recommended Dilutions:</b><br>WB: 1:500-1:2000     |
| <b>Isotype:</b><br>IgG                                         | <b>Full Name:</b><br>caspase recruitment domain family, member 9 |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG33643                    | <b>Calculated MW:</b><br>62 kDa                                  |                                                       |
|                                                                | <b>Observed MW:</b><br>60-65 kDa                                 |                                                       |

## Applications

|                                             |                                                                             |
|---------------------------------------------|-----------------------------------------------------------------------------|
| <b>Tested Applications:</b><br>WB, ELISA    | <b>Positive Controls:</b><br>WB : HL-60 cells, RAW 264.7 cells, THP-1 cells |
| <b>Species Specificity:</b><br>human, mouse |                                                                             |

## Background Information

CARD9, a member of the caspase recruitment domain (CARD) protein family, plays an important regulatory role in cell apoptosis. Defects in CARD9 are the cause of familial candidiasis type 2 (CANDF2), characterized by impaired clearance of fungal infections and resulting in colonization and infections of the mucosa or skin, predominantly with *Candida albicans*. CARD9 is highly expressed in the spleen and regulates activation of NF-kappa-B by interaction with the positive regulator of apoptosis BCL10 via the CARD domain.

## Storage

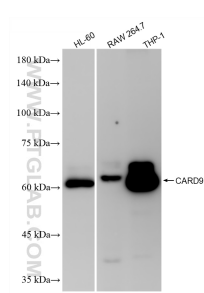
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

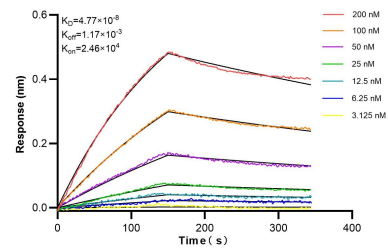
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85749-1-RR (CARD9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85749-1-RR against Human CARD9 were performed. The affinity constant is 14.3 nM.