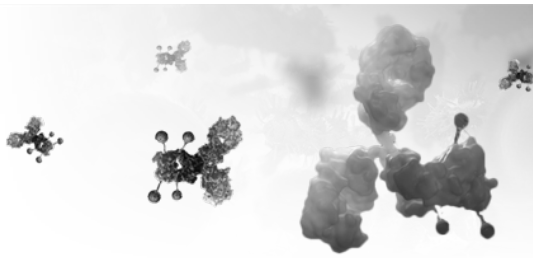

# Human PYCARD blocking peptide (CDBP3013)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Product Overview** | ASC / TMS 1 ( C - term ) peptide ( human ) |
| **Antigen Description** | 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. [provided by RefSeq, Jul 2008] |
| **Species** | Human |
| **Conjugate** | Unconjugated |
| **Applications** | BL |
| **Concentration** | 0.2 mg/ml |
| **Size** | 50 µg |
| **Buffer** | PBS with 0.1% BSA 0.02% sodium azide pH7.2 |
| **Preservative** | 0.02% Sodium Azide |
| **Storage** | Upon Receipt - Keep as concentrated solution. Aliquot and store at -20℃ or below. Avoid freeze-thaw cycles. |

## GENE INFORMATION

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|---|---|
| **Gene Name** | PYCARD PYD and CARD domain containing [ Homo sapiens (human) ] |

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|---|---|
| **Official Symbol** | PYCARD |
| **Synonyms** | PYCARD; PYD and CARD domain containing; ASC; TMS; TMS1; CARD5; TMS-1; apoptosis-associated speck-like protein containing a CARD; target of methylation-induced silencing 1; caspase recruitment domain-containing protein 5; |
| **Entrez Gene ID** | 29108 |
| **mRNA Refseq** | NM_013258.4 |
| **Protein Refseq** | NP_037390.2 |
| **UniProt ID** | Q9ULZ3 |
| **Chromosome Location** | 16p11.2 |
| **Pathway** | Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Direct p53 effectors, organism-specific biosystem; Immune System, organism-specific biosystem; Inflammasomes, organism-specific biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; Innate Immune System, organism-specific biosystem; Legionellosis, organism-specific biosystem; Legionellosis, conserved biosystem; NOD pathway, organism-specific biosystem; |
| **Function** | Pyrin domain binding; cysteine-type endopeptidase activator activity involved in apoptotic process; ion channel binding; protease binding; protein binding; protein homodimerization activity; |

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