



Human PYCARD blocking peptide (CDBP0506)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ASC/TMS1 antibody
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	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PYCARD PYD and CARD domain containing [Homo sapiens (human)]
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;
