



PYCARD blocking peptide (CDBP5108)

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

PRODUCT INFORMATION

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]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-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
Protein Refseq	NP_037390
UniProt ID	Q9ULZ3
Pathway	Cytosolic DNA-sensing pathway; Direct p53 effectors; Immune System; Inflammasomes; Influenza A; Innate Immune System; Legionellosis; NOD pathway
Function	Pyrin domain binding; cysteine-type endopeptidase activator activity involved in apoptotic process; ion channel binding; protease binding; protein binding; protein homodimerization activity