Mouse Apoptosis-associated speck-like protein containing a CARD (PYCARD) ELISA Kit

Catalog No: #EK7910

Package Size: #EK7910-1 48T #EK7910-2 96T

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Description

Product Name	Mouse Apoptosis-associated speck-like protein containing a CARD (PYCARD) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	ASC; CARD5; MGC10332; TMS; TMS-1; TMS1; apoptosis-associated speck-like protein containing a CARD|caspase recruitment domain protein 5|target of methylation-induced silencing-1
Accession No.	Q9EPB4
Uniprot	Q9EPB4
GeneID	66824;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PYCARD in samples. An antibody specific for PYCARD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPYCARD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PYCARD is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PYCARD bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:PYCARD 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.The deduced 195-amino acid protein contains an N-terminal pyrin-like domain (PYD) and an 87-residue C-terminal CARD. Fluorescence microscopy demonstrated a ring-like expression in some transfected cells.

Note: This product is for in vitro research use only