

**产品名称: PYCARD Mouse Monoclonal Antibody**  
**产品货号: AMM81670**



## 产品概述 (Summary)

|                        |                                  |
|------------------------|----------------------------------|
| 产品名称 (Production Name) | PYCARD Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody        |
| 宿主 (Host)              | Mouse                            |
| 应用 (Application)       | IHC, ICC, ELISA, FC              |
| 种属反应性 (Reactivity)     | Human                            |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | Mouse IgG1                                                                               |
| 克隆 (Clonality)      | Monoclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | Purified antibody in PBS with 0.05% sodium azide                                         |
| 纯化方式 (Purification) | Affinity Purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | PYCARD                                                                                  |
| 别名 (Alternative Names) | ASC; TMS; TMS1; CARD5; TMS-1                                                            |
| 基因 ID (Gene ID)        | 29108.0                                                                                 |
| 蛋白 ID (SwissProt ID)   | Q9ULZ3. Purified recombinant fragment of human PYCARD (AA: 1-120) expressed in E. Coli. |

## 产品应用 (Application)

|                          |                                                                          |
|--------------------------|--------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | IHC 1:200-1:1000, ICC 1:200-1:1000, ELISA 1:5000-1:20000, FC 1:200-1:400 |
| 蛋白分子量 (Molecular Weight) | 21.6kDa                                                                  |

## 研究背景 (Background)

This gene encodes an adaptor protein that is composed of two protein-protein interaction domains: a N-terminal PYRIN-

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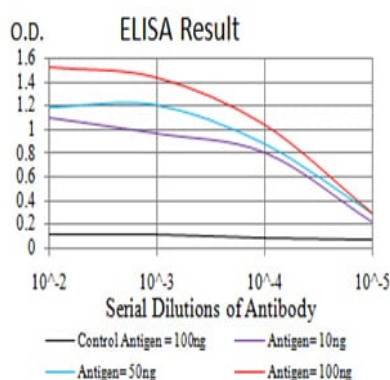


PAAD-DAPIN domain (PYD) and a C-terminal caspase-recruitment domain (CARD). The PYD and CARD domains are members of the six-helix bundle death domain-fold superfamily that mediates assembly of large signaling complexes in the inflammatory and apoptotic signaling pathways via the activation of caspase. 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.

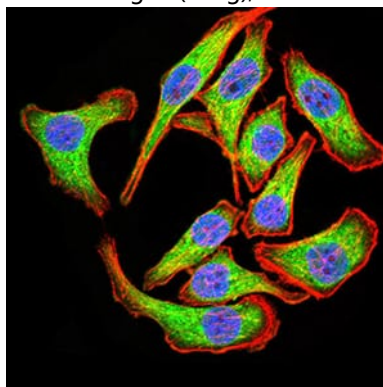
## 研究领域 (Research Area)

Apoptosis

## 图片 (Image Data)

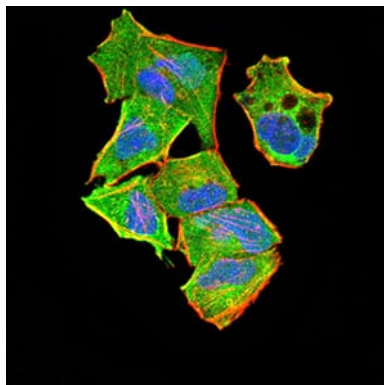


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

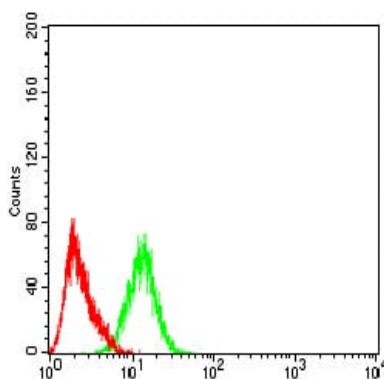


Immunofluorescence analysis of GC-7901 cells using PYCARD mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

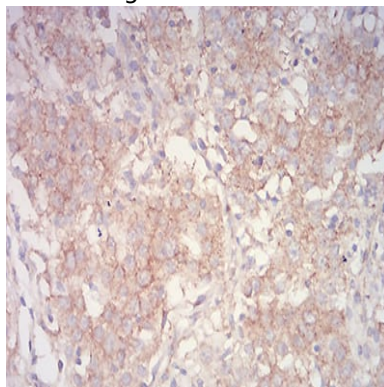
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Immunofluorescence analysis of HeLa cells using PYCARD mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of HEK293 cells using PYCARD mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissues using PYCARD mouse mAb with DAB staining.

## 注意事项 (Note)

For research use only .