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BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-TMS1/ASC/Pycard Antibody Picoband® Fluoro594 Conjugated

**Catalog Number:** A00362-4-Fluoro594

## About Pycard

PYCARD, often referred to as ASC (Apoptosis-associated speck-like protein containing a CARD), is a protein that in humans is encoded by the PYCARD gene. 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.

## Overview

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| Product Name | Anti-TMS1/ASC/Pycard Antibody Picoband® Fluoro594 Conjugated |
| Reactive Species | Mouse, Rat |
| Application | Flow Cytometry |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3. |
| Storage Instructions | At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | Q9EPB4 |

## Technical Details

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| Immunogen | E.coli-derived mouse TMS1/ASC/PYCARD recombinant protein (Position: R3-S193). |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro594<br>Excitation Wavelength: 593 nm<br>Emission Wavelength: 618 nm |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users. |

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## 1 Publications Citing This Product

1. PubMed ID: 38851101, Xue-Xue Zhu, Xin-Yu Meng, Ao-yuan Zhang, Chen-Yang Zhao, Chang Chang, Tian-Xiao Chen, Yan- Bo Huang, Jin-Peng Xu, Xiao Fu, Wei-Wei Cai, Bao Hou, Bin Du, Guan-Li Zheng, Ji-Ru Zhang, Qing- Bo Lu, Ning Bai, Zhi-Jun Han, Neng Bao, Li-Ying Qiu, Hai-Jian Sun 2024-05-31 10.1016/j.phymed.2024.155771 Vaccarin alleviates septic cardiomyopathy by potentiating NLRP3 palmitoylation and inactivation

Visit bosterbio.com/anti-tms1-asc-pycard-picoband-trade-antibody-a00362-4-boster.html to see all 1 publications.



Anti-TMS1/ASC/Pycard Antibody - Fluoro594

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