

## PGM5 Antibody / Phosphoglucomutase 5 / Aciculin [clone rPGM5/7164] (V8792)

| Catalog No.    | Formulation                                                             | Size   |
|----------------|-------------------------------------------------------------------------|--------|
| V8792-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V8792-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V8792SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

Recombinant **MOUSE MONOCLONAL**

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|                    |                                                        |
|--------------------|--------------------------------------------------------|
| Availability       | 1-3 business days                                      |
| Species Reactivity | Human                                                  |
| Format             | Purified                                               |
| Clonality          | Recombinant Mouse Monoclonal                           |
| Isotype            | Mouse IgG1, kappa                                      |
| Clone Name         | rPGM5/7164                                             |
| Purity             | Protein A/G affinity                                   |
| UniProt            | Q15124                                                 |
| Localization       | Cytoplasm                                              |
| Applications       | ELISA (For coating order BSA-free format) :            |
| Limitations        | This PGM5 antibody is available for research use only. |

## Description

Aciculin, also known as PGM5 (phosphoglucomutase 5) or PGMRP, is a 567 amino acid protein that belongs to the phosphoglucomutase family of phosphotransferases, which play an important role in the interconversion of glucose-1-phosphate and glucose-6-phosphate. Localized to the cell junction and expressed at high levels in smooth and cardiac muscle, Aciculin/PGM5 binds magnesium as a cofactor and interacts with dystrophin and utrophin, possibly playing a role in cytoskeletal organization and function. Aciculin/PGM5 exists as two alternatively spliced isoforms and is encoded by a gene that maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome.

## Application Notes

Optimal dilution of the PGM5 antibody should be determined by the researcher.

## **Immunogen**

Recombinant full-length human PGM5 protein was used as the immunogen for the PGM5 antibody.

## **Storage**

Aliquot the PGM5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.