

## Product datasheet for **AM09269PU-N**

### Factor IX (F9) Mouse Monoclonal Antibody [Clone ID: F9-1]

#### Product data:

|                        |  |
|------------------------|--|
| Product Type:          | Primary Antibodies   |
| Clone Name:            | F9-1   |
| Applications:          | ELISA  |
| Recommended Dilution:  | <b>ELISA.</b>  |
| Reactivity:            | Human  |
| Host:                  | Mouse  |
| Isotype:               | IgG1   |
| Clonality:             | Monoclonal   |
| Immunogen:             | Human Factor IX.   |
| Specificity:           | Human Factor IX.   |
| Formulation:           | 0.01M PBS, pH 7.2 without preservatives.<br>State: Aff - Purified<br>State: Lyophilized purified IgG fraction. |
| Reconstitution Method: | Restore with Double distilled water to a final concentration of 1.0 mg/ml.                                     |
| Purification:          | Affinity Chromatography on Protein G.  |
| Conjugation:           | Unconjugated   |
| Storage:               | Store the antibody (in aliquots) at -20°C.<br>Avoid repeated freezing and thawing.                             |
| Stability:             | Shelf life: one year from despatch.  |
| Gene Name:             | coagulation factor IX  |
| Database Link:         | <a href="#">Entrez Gene 2158 Human P00740</a>  |



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|                          |   |
|--------------------------|---|
| <b>Background:</b>       | Factor IX circulates in the blood as an inactive zymogen at the normal concentration of approximately 3 µg/ml. This factor is converted to an active form by factor XIa, which excises the activation peptide and thus generates a heavy chain and a light chain held together by one or more disulfide bonds. The role of this activated factor IX in the blood coagulation cascade is to activate factor X to its active form through interactions with Ca <sup>2+</sup> ions, membrane phospholipids, and factor VIII. Alterations of this gene, including point mutations, insertions and deletions, cause factor IX deficiency, which is a recessive X linked disorder, also called hemophilia B or Christmas disease. The disease affects approximately 1 in 50,000 of the population (almost exclusively males). |
| <b>Synonyms:</b>         | Christmas factor, PTC   |
| <b>Protein Families:</b> | Druggable Genome, Protease, Secreted Protein  |
| <b>Protein Pathways:</b> | Complement and coagulation cascades   |