

## Rabbit anti-Human Factor IX Monoclonal Antibody | anti-F9 antibody

Recombinant Anti-Factor IX Antibody, Rabbit Monoclonal

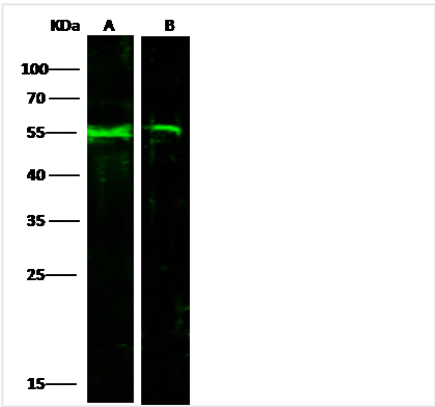
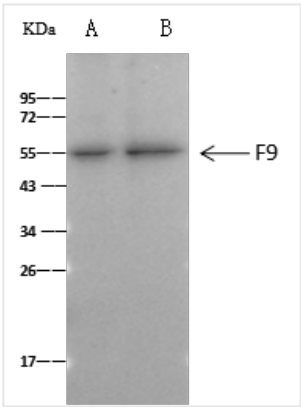
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                             |
|-----------|--------|------------|------------------------------------------|
| AAA255419 | Rabbit | Human      | Immunoprecipitation, ELISA, Western Blot |

### PRODUCT SYNONYMS

Factor IX; Monoclonal Antibody; Recombinant Anti-Factor IX Antibody; Rabbit Monoclonal; Coagulation Factor IX/FIX/F9 Antibody; Rabbit MAb; coagulation factor IX; Anti-Coagulation factor 9 Antibody; Anti-Coagulation factor IX Antibody; Anti-FIX Antibody; Anti-HEMB Antibody; Anti-P19 Antibody; Anti-PTC Antibody; Anti-THPH8 Antibody; anti-F9 antibody

### PRODUCT SPECIFICATIONS

|                                              |                                                                                                                                                                                                                                                                       |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                         | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                   | Human                                                                                                                                                                                                                                                                 |
| Clonality                                    | Monoclonal                                                                                                                                                                                                                                                            |
| Isotype                                      | Rabbit IgG                                                                                                                                                                                                                                                            |
| Clone Number                                 | 034                                                                                                                                                                                                                                                                   |
| Specificity                                  | Human Coagulation Factor IX/FIX/F9                                                                                                                                                                                                                                    |
| Purity/Purification                          | Protein A                                                                                                                                                                                                                                                             |
| Form/Format                                  | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-F9 antibody | IP (Immunoprecipitation), ELISA, WB (Western Blot)                                                                                                                                                                                                                    |
| Antibody Type                                | Recombinant Antibody                                                                                                                                                                                                                                                  |
| Immunogen                                    | Recombinant Human Coagulation Factor IX/FIX/F9 protein                                                                                                                                                                                                                |
| Conjugation                                  | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                  | This antibody was obtained from a rabbit immunized with purified, recombinant Human Coagulation Factor IX/FIX/F9 (rh Coagulation Factor IX/FIX/F9).                                                                                                                   |
| Preparation and Storage                      | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |



**IP (Immunoprecipitation)**

F9 was immunoprecipitated using: Lane A: 0.5 mg A431 Whole Cell Lysate Lane B: 0.5 mg Jurkat Whole Cell Lysate 0.5 uL anti-F9 rabbit monoclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-F9 rabbit monoclonal antibody, at 1:500 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 55 kDa Observed band size :55 kDa

**WB (Western Blot)**

Anti-F9 rabbit monoclonal antibody at 1:500 dilution Lane A: A431 Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 52 kDa Observed band size: 55 kDa

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-F9 antibody | Coagulation factor IX, also known as Christmas factor, Plasma thromboplastin component and PTC, is a secreted protein which belongs to the peptidase S1 family. Coagulation factor IX/F9 contains two EGF-like domains, one Gla (gamma-carboxy-glutamate) domain and one?peptidase S1 domain. Coagulation factor IX/F9 is a vitamin K-dependent plasma protein that participates in the intrinsic pathway of blood coagulation by converting factor X to its active form in the presence of Ca2+ons, phospholipids, and factor VIIIa. Defects in Coagulation factor IX/F9 are the cause of thrombophilia due to factor IX defect which is a hemostatic disorder characterized by a tendency to thrombosis. Defects in Coagulation factor IX/F9 are also the cause of recessive X-linked hemophilia B (HEMB) which also known as Christmas disease. |
| References                                       | Onay U.V., et al., 2003, Br. J. Haematol. 120:656-659. Vidal F., et al., 2000, Br. J. Haematol. 111:549-551. Simioni P., et al., 2009, N. Engl. J. Med. 361:1671-1675. Espinos C., et al., 2009, Haematologica 88:235-236.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                    |
|----------------------------------|------------------------------------|
| NCBI GI #                        | 182613                             |
| NCBI GeneID                      | 2158                               |
| Molecular Weight                 | 47,618 Da                          |
| NCBI Official Full Name          | factor IX                          |
| NCBI Official Synonym Full Names | coagulation factor IX              |
| NCBI Official Symbol             | F9                                 |
| NCBI Official Synonym Symbols    | FIX; P19; PTC; HEMB; THPH8; F9 p22 |
| NCBI Protein Information         | coagulation factor IX              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.