

Product datasheet for **AP00715PU-N**

Factor IX (F9) Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1/50,000. Western blot: 1-5 µg/ml.
Reactivity:	Mouse
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	Mouse Factor IX
Specificity:	This antibody recognizes Factor IX and Factor IX alpha.
Formulation:	0.05 M Sodium Phosphate, pH 6.6 containing 0.1 M Sodium Chloride and 1 mM EDTA without preservatives. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -70°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	coagulation factor IX
Database Link:	P00740



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Background:

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 Ca²⁺ 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).

Synonyms:

Christmas factor, PTC