

Anti-Human Factor IX (Goat) Peroxidase Conjugated, Affinity Purified IgG 0.10 mg

Ref#: GAF9-APHRP
Lot#: xxxxxx
Exp. Date: xxxx-xx

Store at -10 to -20°C

For Research Use Only
Not for Use in Diagnostic Procedures

Immunogen:	Human Factor IX (from human plasma)
Format:	Affinity purified and peroxidase conjugated IgG in a buffered stabilizer solution containing 50% (v/v) glycerol
Host:	Goat
Storage:	Store between -10 and -20°C. Vial should be tightly capped. Do not store in frost-free freezers. Allow product to warm to room temperature and gently mix before use Avoid exposure to sodium azide as this is an inhibitor of peroxidase activity
Total Protein:	0.10 mg
Applications:	Suitable as a source of peroxidase-labeled antibodies.
Volume:	1 vial containing 0.100 mL affinity purified IgG conjugated to horseradish peroxidase (HRP) through carbohydrate groups
Concentration:	1.00 mg/mL affinity purified IgG-HRP by Absorbance; Extinction Coefficient $E^{1\%}_{280} = 14.0$
Specificity:	Specificity demonstrated by immunoelectrophoresis and ELISA methods
Neutralizing Activity:	Not Determined
Reinheitszahl (A₄₀₃/A₂₈₀):	0.44

Coagulation Factor IX (FIX), also known as Christmas Factor, is a 55 kDa vitamin K-dependent glycoprotein synthesized in the liver and composed of a single polypeptide chain. Factor IX is present in plasma as a zymogen and, when activated to FIXa by Factor XIa in the presence of calcium, thrombin and phospholipids, it forms an active complex with thrombin-activated FVIII:C, which is then able to convert FX into FXa. Factor IX may also be activated by the Factor VII-Tissue Factor complex. The normal Factor IX concentration in human plasma is about 4-5 µg/mL.