

Anti-Human Factor VIII (Sheep) Biotinylated Affinity-Purified IgG 0.10 mg



Ref#: SAF8C-APBIO

Lot#: xxxxxx

Exp. Date: xxxx-xx

Store at +2 to +8°C

For Research Use Only

Not for Use in Diagnostic Procedures

For *in vitro* Use Only

Immunogen:	Human Factor VIII (from concentrate)
Format:	Affinity-purified IgG conjugated to biotin in phosphate-buffered saline with 1% BSA and 0.1% sodium azide (w/v) / pH 7.3. Clear colourless liquid.
Host:	Sheep
Storage:	Store between +2 and +8°C. Vial should be tightly capped
Total Protein:	0.10 mg
Volume:	1 vial containing 0.10 mL anti-human, affinity-purified IgG conjugated to biotin
Concentration:	1.00 mg/mL affinity-purified IgG-biotin by absorbance; Extinction Coefficient $E^{1\%}_{280} = 14.0$
Specificity:	Prior to conjugation, specificity demonstrated by immunoelectrophoresis and ELISA methods
Incorporation of Biotin:	6.1 moles biotin per mole IgG as determined by HABA.
Application:	Suitable as a source of biotinylated antibodies

Coagulation Factor VIII (FVIII) is a 320 kDa glycoprotein synthesized in the liver. Factor VIII is stabilized by von Willebrand Factor (vWF). Thrombin-activated FVIII dissociates from vWF and combines with FIXa, calcium and phospholipids a cofactor in the assembly of the FX activator complex. The normal Factor VIII concentration in human plasma is about 200 ng/mL.