

# Anti-Human Factor VIII (Sheep) Peroxidase Conjugated IgG, 0.20 mg



Ref#: SAF8C-HRP  
Lot#: xxxxxx  
Exp. Date: xxxx-xx

Store at -10 to -20°C

For Research Use Only  
Not for Use in Diagnostic Procedures  
For *in vitro* use only

<b>Immunogen:</b>	Human Factor VIII (from human plasma)
<b>Format:</b>	Peroxidase conjugated IgG in a buffered stabilizer solution containing 50% (v/v) glycerol
<b>Host:</b>	Sheep
<b>Storage:</b>	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
<b>Total Protein:</b>	0.20 mg
<b>Applications:</b>	Suitable as a source of peroxidase labeled antibodies. For Research Use Only. Not for Use in Diagnostic Procedures. For <i>in vitro</i> use only
<b>Volume:</b>	1 vial containing 0.100 mL of IgG conjugated to horseradish peroxidase through carbohydrate groups
<b>Concentration:</b>	2 mg/mL IgG by Absorbance; Extinction Coefficient $E^{1\%}_{280} = 14.0$
<b>Specificity:</b>	Specificity demonstrated by immunoelectrophoresis and ELISA methods. No reactivity with vWF
<b>Reinheitszahl (<math>A_{403}/A_{280}</math>):</b>	0.40

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.