

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### Factor VIII (S2194) Antibody

Cat No.: BS1119

Host: Rabbit

Reactivity: Human, Mouse

#### BACKGROUND

Hemostasis following tissue injury involves the deployment of essential plasma procoagulants (prothrombin, and Factors X, IX, V, and VIII), which are involved in a blood coagulation cascade that leads to the formation of insoluble fibrin clots and the promotion of platelet aggregation. Coagulation Factor VII (serum prothrombin conversion accelerator, proconvertin, F7, Factor VII) is a 406 amino acid, vitamin K-dependent, single chain serine protease that is synthesized in the liver and circulates as an inactive precursor. Factor IX A, Factor X A, Factor XII A, or thrombin mediated proteolytic cleavage of Factor VII at Arg152-Ile153 generates Factor VII A, an active serine protease composed of a catalytic heavy chain disulfide linked to a light chain, containing 2 EGF-like domains. Mutations at the F7 locus that lead to Factor VII deficiencies are generally asymptomatic or phenotypically uncharacterized, with hemorrhagic diathesis occurring at extremely low levels.

#### PRODUCT

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

#### PURIFICATION & PURITY

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

and the purity is > 95% (by SDS-PAGE).

#### APPLICATIONS

WB: 1:500 ~ 1:1000

IHC: 1:50 ~ 1:200 (Recommended Dilutions)

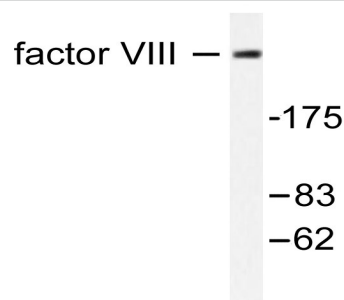
#### STORAGE & STABILITY

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

#### SPECIFICITY

Factor VIII (S2194) antibody detects endogenous levels of Factor VIII protein.

#### DATA



Western blot (WB) analysis of Factor VIII (S2194) antibody in extracts from HuvEc cells.

#### RESEARCH USE

For research use only, not for use in diagnostic procedures.

Bioworld Technology, Inc.

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