Data Sheet (Cat.No.TMAY-02661H)

Anti-Coagulation Factor VIII/FVIII/F8 Antibody-HRP (3O457)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	HRP
Clone:	3O457
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 0.1-1 μg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free. Keep away from direct sunlight.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Coagulation Factor VIII / FVIII / F8 protein
Antigen Species:	Human
Synonyms:	DXS1253E;THPH13;HEMA;F8B;AHF;FVIII;F8C

Research Background

Coagulation Factor VIII, also known as FVIII and F8, is a member of the multicopper oxidase family. Coagulation Factor VIII is a cofactor for factor IXa which, in the presence of Ca+2 and phospholipids, converts factor X to the activated form Xa. It contains 3 F5/8 type A domains, 2 F5/8 type C domains and 6 plastocyanin-like domains. FVIII is synthesized in the liver, and perhaps in other tissues. It is a coagulation cofactor which circulates bound to von Willebrand factor and is part of the intrinsic coagulation pathway. It is a macromolecular complex composed of two separate entities, one of which, when deficient, results in hemophilia A, and the other, when deficient, results in von Willebrand's disease. Hemophilia A is a disorder of blood coagulation characterized by a permanent tendency to hemorrhage. About 5% of patients have severe hemophilia resulting in frequent spontaneous bleeding into joints, muscles and internal organs. Less severe forms are characterized by bleeding after trauma or surgery.

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