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Product datasheet for TA420140

F8 Mouse Monoclonal Antibody [Clone ID: RFF-VIIIC/5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	RFF-VIIIC/5
Applications:	ELISA, R, WB
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Affinity purified human Factor VIII.
Specificity:	FACTOR VIII
Formulation:	Phosphate buffered saline containing 0.09% Sodium Azide (NaN3) **Label**: Purified **State**: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant Purified IgG - liquid
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	+4°C, -20°C if preferred
Stability:	Shelf life: one year from despatch.
Gene Name:	coagulation factor VIII
Database Link:	P00451

View online »

Background: Mouse anti Human Factor VIII antibody, clone RFF-VIIIC/5 recognizes human Factor VIII, an essential blood coagulation factor. Factor VIII is primarily synthesized in the liver and is secreted into the bloodstream where it forms a complex with von Willebrand factor. It is activated through cleavage at various sites, dissociates from the complex and interacts with Factor IXa, in the presence of calcium ions and phospholipids, to convert Factor X to the activated Factor Xa, which in turn activates thrombin. Thrombin cleaves fibrinogen into fibrin, which polymerises and cross-links to form a blood clot. The activated Factor VIII is proteolytically inactivated and cleared from the bloodstream. Defects in Factor VIII cause haemophilia A (HEMA), a disorder characterised by the bodyâ€™s inability to control blood clotting, potentially resulting in severe blood loss, even with minor injuries. Mouse anti Human Factor VIII antibody, clone RFF-VIIIC/5 recognizes an epitope towards the C-terminus of full-length Factor VIII. It also recognizes the ~80 kDa and ~70 kDa cleavage products.

Synonyms: AHF; DXS1253E; F8B; F8C; FVIII; HEMA