Data Sheet (Cat.No.TMAB-05795)

Anti-Factor VIIIa light chain Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Theoretical: 75 kDa. Actual: 75-85 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Lymph node (Mouse) Lysate at 40 µg Testis (Mouse) Lysate at 40 µg Primary: Anti-Factor VIIIa light chaiN (TMAB-05795) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 75 kD Observed band size: 75 kD 2. Sample: Raji (Human) Cell Lysate at 30 µg Primary: Anti-Factor VIIIa light chain (TMAB-05795) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 75 kD Observed band size: 85 kD
Application:	WB
Recommended	WB: 1:500-2000

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.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Factor VIIIa light chain
Antigen Species:	Human
Gene ID:	2157
Uniprot ID:	P00451

Research Background

This gene encodes coagulation factor VIII, which participates in the intrinsic pathway of blood 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. This gene produces two alternatively spliced transcripts. Transcript variant 1 encodes a large glycoprotein, isoform a, which circulates in plasma and associates with von Willebrand factor in a noncovalent complex. This protein undergoes multiple cleavage events. Transcript variant 2 encodes a putative small protein, isoform b, which consists primarily of the phospholipid binding domain of factor VIIIc. This binding domain is essential for coagulant activity. Defects in this gene results in hemophilia A, a common recessive X-linked coagulation disorder. [provided

by RefSeq, Jul 2008].