

# Human von Willebrand Factor (vWF) mouse monoclonal antibody (clone RU8)

Catalog PODI-0087

Product specification sheet PS-PAb0087

## Product description

Mouse monoclonal antibody RU8 binds to VWF D4 domain and competes with ADAMTS13 binding.

Product type:	Primary antibodies
Clone number:	RU8
Immunogen:	Native human plasma derived vWF
Reacts with:	Human, reacts with VWF D4 domain
Tested applications:	ELISA, immunopurification of vWF
Purity:	GammaBind Plus sepharose purified, >95%
Isotype:	
Light chain type:	
Storage buffer:	PBS
Form:	Liquid
Concentration:	0.5 mg/ml

## Storage and stability

Store at 4 °C, short term (1-2 weeks). For long-term storage, aliquot and keep at or below -20° C. Avoid repeated freeze-thaw cycles

## References

Lankhof H, van Hoeij M, Schiphorst ME, Bracke M, Wu YP, Ijsseldijk MJ, Vink T, de Groot PG, Sixma JJ. A3 domain is essential for interaction of von Willebrand factor with collagen type III. *Thromb Haemost.* 1996;75:950-958.

Lankhof H, et al. (1999) Recombinant VWF type 2A mutants R834Q and R834W show a defect in mediating platelet adhesion to collagen, independent of enhanced sensitivity to a plasma protease. *Thromb Haemost* 81:976-983

Romijn RA, Bouma B, Wuyster W, et al. Identification of the Collagen-binding Site of the von Willebrand Factor A3-domain. *J Biol Chem.* 2001;276:9985-9991.

Factor VIII accelerates proteolytic cleavage of von Willebrand factor by ADAMTS13 Wenjing Cao\*, Sriram Krishnaswamy†, Rodney M. Camire†, Peter J. Lenting‡§, and X. Long Zheng\*¶(2008) *PNAS* 105: 7416-21

Zanardelli S, Chion AC, Groot E, Lenting PJ, McKinnon TA, et al. (2009) A novel binding site for ADAMTS13 constitutively exposed on the surface of globular VWF. *Blood* 114: 2819-2828.

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