

Datasheet: AHP062

Description:	SHEEP ANTI HUMAN VON WILLEBRAND FACTOR
Specificity:	VON WILLEBRAND FACTOR
Other names:	FACTOR VIII RELATED ANTIGEN
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen (1)	▪			
Immunohistology - Paraffin		▪		
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Immunodiffusion	▪			Neat
Immunofluorescence	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

Target Species	Human
Species Cross Reactivity	Reacts with: Rat, Pig N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG was prepared from serum by ion exchange chromatography
Antiserum Preparation	Antisera to von Willebrand factor were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG was prepared from serum by ion exchange chromatography
Buffer Solution	Glycine buffered saline

Preservative	0.09% Sodium Azide
Stabilisers	0.01% Benzamidine 0.1% EACA 1mM EDTA
Immunogen	Purified human von Willebrand factor prepared from citrated human plasma
External Database Links	<p>UniProt: P04275 Related reagents</p> <p>Entrez Gene: 7450 VWF Related reagents</p>
Synonyms	F8VWF
Specificity	Sheep anti Human von Willebrand Factor antibody recognizes Human von Willebrand factor, a glycoprotein synthesized in endothelial cells and megakaryocytes and circulating in the blood as a noncovalent complex by association with factor VIII.
Histology Positive Control Tissue	Tonsil
References	<ol style="list-style-type: none"> Blades, M.C. <i>et al.</i> (2002) Stromal cell-derived factor 1 (CXCL12) induces human cell migration into human lymph nodes transplanted into SCID mice. J Immunol. 168 (9): 4308-17. Johnson, L.A. & Jackson, D.G. (2010) Inflammation-induced secretion of CCL21 in lymphatic endothelium is a key regulator of integrin-mediated dendritic cell transmigration. Int Immunol. 22 (10): 839-49. Blagoveshchenskaya, A.D. <i>et al.</i> (2002) Selective and signal-dependent recruitment of membrane proteins to secretory granules formed by heterologously expressed von Willebrand factor. Mol Biol Cell. 13:1582-93. Knipe, L. <i>et al.</i> (2010) A revised model for the secretion of tPA and cytokines from cultured endothelial cells. Blood. 116: 2183-91. Babich, V. <i>et al.</i> (2009) Differential effect of extracellular acidosis on the release and dispersal of soluble and membrane proteins secreted from the Weibel-Palade body. J Biol Chem. 284: 12459-68. Buttke, P. <i>et al.</i> (2004) Endothelial injury and altered hemodynamics in thalassemia. Clin Hemorheol Microcirc. 31: 287-93. Chowdhury, F. <i>et al.</i> (2010) Interactions between endothelial cells and epithelial cells in a combined cell model of airway mucosa: effects on tight junction permeability. Exp Lung Res. 36: 1-11. Johnson, L.A. and Jackson, D.G. (2010) Inflammation-induced secretion of CCL21 in lymphatic endothelium is a key regulator of integrin-mediated dendritic cell transmigration. Int Immunol. 22: 839-49. Kiskin, N.I. <i>et al.</i> (2010) Protein mobilities and P-selectin storage in Weibel-Palade bodies. J Cell Sci. 123: 2964-75. Kriehuber, E. <i>et al.</i> (2001) Isolation and characterization of dermal lymphatic and blood endothelial cells reveal stable and functionally specialized cell lineages. J Exp Med. 194: 797-808. Mueller, A.M. <i>et al.</i> (2008) Novel role for SLPI in MOG-induced EAE revealed by spinal cord expression analysis. J Neuroinflammation. 5: 20. Zhu, B. <i>et al.</i> (2005) Cyclic GMP-specific phosphodiesterase 5 regulates growth and apoptosis in pulmonary endothelial cells. Am J Physiol Lung Cell Mol Physiol. 289: L196-206.

13. Johnson, L.A. & Jackson, D.G. (2013) The chemokine CX3CL1 promotes trafficking of dendritic cells through inflamed lymphatics. [J Cell Sci. 126 \(Pt 22\): 5259-70.](#)
14. Leclercq, A. *et al.* (2015) A Methodology for Concomitant Isolation of Intimal and Adventitial Endothelial Cells from the Human Thoracic Aorta. [PLoS One. 10 \(11\): e0143144.](#)
15. Cheung, K. *et al.* (2015) CD31 signals confer immune privilege to the vascular endothelium. [Proc Natl Acad Sci U S A. 112 \(43\): E5815-24.](#)
16. Zhang, J. *et al.* (2017) Potential Antigens Involved in Delayed Xenograft Rejection in a Ggta1/Cmah Dko Pig-to-Monkey Model. [Sci Rep. 7 \(1\): 10024.](#)

Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10087 available at: 10087: <https://www.bio-rad-antibodies.com/uploads/MSDS/10087.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#), [FITC](#), [HRP](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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