

Datasheet: AHP062

BATCH NUMBER 155037

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. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for

further information.

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 Stabilisers	0.09% Sodium Azide 0.01% Benzamidine 0.1% EACA 1mM EDTA
---------------------------------	--

Immunogen	Purified human von Willebrand factor prepared from citrated human plasma
------------------	--

External Database Links	UniProt: P04275 Related reagents Entrez Gene: 7450 VWF Related reagents
--------------------------------	--

Synonyms	F8VWF
-----------------	-------

RRID	AB_322241
-------------	-----------

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">1. 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): 4308-17.2. 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): 839-49.3. 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. 13:1582-93.4. 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.
-------------------	--

5. Babich, V. *et al.* (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.](#)
6. Butthep, P. *et al.* (2004) Endothelial injury and altered hemodynamics in thalassemia. [Clin Hemorheol Microcirc. 31: 287-93.](#)
7. Chowdhury, F. *et al.* (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.](#)
8. 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.](#)
9. Kiskin, N.I. *et al.* (2010) Protein mobilities and P-selectin storage in Weibel-Palade bodies. [J Cell Sci. 123: 2964-75.](#)
10. Kriehuber, E. *et al.* (2001) Isolation and characterization of dermal lymphatic and blood endothelial cells reveal stable and functionally specialized cell lineages. [J Exp Med. 194: 797-808.](#)
11. Mueller, A.M. *et al.* (2008) Novel role for SLPI in MOG-induced EAE revealed by spinal cord expression analysis. [J Neuroinflammation. 5: 20.](#)
12. Zhu, B. *et al.* (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.](#)
17. Kuna, V.K. *et al.* (2019) Human fetal kidney cells regenerate acellular porcine kidneys via upregulation of key transcription factors involved in kidney development. [AIMS Cell and Tissue Engineering. 3 \(1\): 26-46.](#)

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10087 available at: <https://www.bio-rad-antibodies.com/SDS/AHP062>
10087

Related Products

Recommended Secondary Antibodies

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

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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M363758:200529'

Printed on 21 Mar 2025
