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. 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	1. Blades, M.C. *et al.* (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. *et al.* (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. *et al.* (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: 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, HRP

North & South America	Tel: +1 800 265 7376 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

From March 15, 2021, we will no longer supply printed datasheets with our products.
Look out for updates on how to access your digital version at bio-rad-antibodies.com

'M363758:200529'

Printed on 12 Feb 2021