

Datasheet: AHP062T

**BATCH NUMBER 155612**

<b>Description:</b>	SHEEP ANTI HUMAN VON WILLEBRAND FACTOR
<b>Specificity:</b>	VON WILLEBRAND FACTOR
<b>Other names:</b>	FACTOR VIII RELATED ANTIGEN
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen (1)	▪			
Immunohistology - Paraffin		▪		
ELISA	▪			
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.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Rat, Pig</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG - liquid

<b>Preparation</b>	Purified IgG was prepared from serum by ion exchange chromatography
<b>Antiserum Preparation</b>	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
<b>Buffer Solution</b>	Glycine buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 0.01% Benzamidine 0.1% EACA 1mM EDTA
<b>Immunogen</b>	Purified human von Willebrand factor prepared from citrated human plasma
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P04275</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7450</a>    VWF    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	F8VWF
<b>RRID</b>	AB_324615
<b>Specificity</b>	<b>Sheep anti Human von Willebrand Factor antibody</b> 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.
<b>Histology Positive Control Tissue</b>	Tonsil
<b>References</b>	<ol style="list-style-type: none"> <li>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. <a href="#">J Immunol. 168 (9): 4308-17.</a></li> <li>2. Johnson, L.A. &amp; Jackson, D.G. (2010) Inflammation-induced secretion of CCL21 in lymphatic endothelium is a key regulator of integrin-mediated dendritic cell transmigration. <a href="#">Int Immunol. 22 (10): 839-49.</a></li> <li>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. <a href="#">Mol Biol Cell. 13:1582-93.</a></li> <li>4. Knipe, L. <i>et al.</i> (2010) A revised model for the secretion of tPA and cytokines from cultured endothelial cells. <a href="#">Blood. 116: 2183-91.</a></li> <li>5. 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. <a href="#">J Biol Chem. 284: 12459-68.</a></li> <li>6. Butthep, P. <i>et al.</i> (2004) Endothelial injury and altered hemodynamics in thalassemia.</li> </ol>

[Clin Hemorheol Microcirc. 31: 287-93.](#)

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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.](#)

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10087 available at: <https://www.bio-rad-antibodies.com/SDS/AHP062T>  
10087

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**Regulatory**

For research purposes only

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## 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](mailto: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](mailto: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](mailto: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](https://bio-rad-antibodies.com/datasheets)

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