

Datasheet: AHP1187

**BATCH NUMBER 158965**

<b>Description:</b>	RABBIT ANTI TIM-1
<b>Specificity:</b>	TIM-1
<b>Other names:</b>	T-CELL IMMUNOGLOBULIN MUCIN-1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1.0 - 2.0ug/ml

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.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Rat, Mouse

**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

### Antiserum Preparation

Antisera to human TIM-1 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	16 amino acid peptide sequence near the centre of human TIM-1.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q96D42</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">26762</a>    HAVCR1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	KIM1, TIM1, TIMD1
<b>RRID</b>	AB_2116565
<b>Specificity</b>	<p><b>Rabbit anti TIM-1 antibody</b> detects T cell immunoglobulin mucin-1 (TIM-1), which was first identified as the receptor used by hepatitis A for viral entry, it is also known as the hepatitis A virus cellular receptor- HAVCR (<a href="#">Curtiss and Colgan 2007</a>), TIM -1 also acts as a receptor for other viruses, including Dengue, Ebola and Marburg (<a href="#">Kondratowicz et al. 2011</a>). TIM-1 is a key cell surface protein that binds TIM-4, leading to T cell proliferation and T helper type 2 (Th2) cytokine production.</p> <p>Two splice variants for human TIM-1 exist; TIM-1a is predominantly expressed in the liver, whilst TIM-1b is expressed in the kidney. Expression of TIM-1 in the kidney is thought to be upregulated in damaged tissue, and is thought to assist healing.</p> <p>TIM-1 polymorphisms are associated with susceptibility to allergy and asthma (<a href="#">Mcintire et al. 2004</a>).</p>
<b>Western Blotting</b>	AHP1187 detects a band of approximately 49kDa in human uterus tissue lysate.
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Meyers, J.H. <i>et al.</i> (2005) The TIM gene family regulates autoimmune and allergic diseases. <a href="#">Trends Mol Med. 11 (8): 362-9.</a></li> <li>2. Hein, R.M. &amp; Woods, M.L. (2007) TIM-1 regulates macrophage cytokine production and B7 family member expression. <a href="#">Immunol Lett. 108 (1): 103-8.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1187">https://www.bio-rad-antibodies.com/SDS/AHP1187</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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