

## Datasheet: AHP1187

<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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Rat, Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	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.

**External Database  
Links**

**UniProt:**

[Q96D42](#)    [Related reagents](#)

**Entrez Gene:**

[26762](#)    HAVCR1    [Related reagents](#)

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**Synonyms**

KIM1, TIM1, TIMD1

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**Specificity**

**Rabbit anti TIM-1 antibody** 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 ([Curtiss and Colgan 2007](#)), TIM -1 also acts as a receptor for other viruses, including Dengue, Ebola and Marburg ([Kondratowicz et al. 2011](#)). 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.

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.

TIM-1 polymorphisms are associated with susceptibility to allergy and asthma ([Mcintire et al. 2004](#)).

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**Western Blotting**

AHP1187 detects a band of approximately 49kDa in human uterus tissue lysate.

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**Further Reading**

1. Meyers, J.H. *et al.* (2005) The TIM gene family regulates autoimmune and allergic diseases. [Trends Mol Med. 11 \(8\): 362-9.](#)
2. Hein, R.M. & Woods, M.L. (2007) TIM-1 regulates macrophage cytokine production and B7 family member expression. [Immunol Lett. 108 \(1\): 103-8.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. 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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**Shelf Life**

18 months from date of despatch.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...)    [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...)    [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (2AB02...)    [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),  
[DyLight®680](#), [DyLight®800](#)

## 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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