

Datasheet: AHP1187

Description:	RABBIT ANTI TIM-1
Specificity:	TIM-1
Other names:	T-CELL IMMUNOGLOBULIN MUCIN-1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	16 amino acid peptide sequence near the centre of human TIM-1.
External Database Links	<p>UniProt: Q96D42 Related reagents</p> <p>Entrez Gene: 26762 HAVCR1 Related reagents</p>
Synonyms	KIM1, TIM1, TIMD1
RRID	AB_2116565
Specificity	<p>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 <i>et al.</i> 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.</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 (Mcintire <i>et al.</i> 2004).</p>
Western Blotting	AHP1187 detects a band of approximately 49kDa in human uterus tissue lysate.
Further Reading	<ol style="list-style-type: none"> 1. Meyers, J.H. <i>et al.</i> (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.
Storage	<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>
Guarantee	12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP1187>
10040

Regulatory 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 \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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