

Datasheet: AHP1188

Description:	RABBIT ANTI TIM-4 (C-TERMINAL)
Specificity:	TIM-4 (C-TERMINAL)
Other names:	T-CELL IMMUNOGLOBULIN MUCIN-4
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.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human TIM-4 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	15 amino acid peptide sequence near the carboxy terminus of human TIM-4.

**External Database
Links**

UniProt:

[Q96H15](#) [Related reagents](#)

Entrez Gene:

[91937](#) TIMD4 [Related reagents](#)

Synonyms

TIM4

Specificity

Rabbit anti Human TIM-4 antibody recognizes the C-terminal (CT) region of T-cell immunoglobulin mucin-4 (TIM-4), also known as SMUCKLER. TIM-4 is a ~ 42 kDa type I membrane protein which is preferentially expressed on macrophages and dendritic cells. TIM-4 is the ligand of TIM-1, and binding leads to T-cell proliferation and cytokine production. Polymorphisms in the TIM-4 gene may be associated with a predisposition to asthma.

Western Blotting

AHP1188 detects a band of approximately 54kDa in Jurkat cell lysate.

Further Reading

1. Meyers, J.H. *et al.* (2005) TIM-4 is the ligand for TIM-1, and the TIM-1-TIM-4 interaction regulates T cell proliferation. [Nat Immunol. 6 \(5\): 455-64.](#)
2. Meyers, J.H. *et al.* (2005) The TIM gene family regulates autoimmune and allergic diseases. [Trends Mol Med. 11 \(8\): 362-9.](#)

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.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

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

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 (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 \(STAR209P\)](#)

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