

## Datasheet: AHP999

<b>Description:</b>	RABBIT ANTI MOUSE ST2 (N-TERMINAL)
<b>Specificity:</b>	ST2 (N-TERMINAL)
<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 - 2ug/ml

Where this product 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 product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to mouse ST2 (NT) 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

**Immunogen** A 16 amino acid synthetic peptide located near mouse ST2 amino-terminus. This peptide is common to the three known isoforms of ST2.

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**External Database Links**

**UniProt:**

[P14719](#)    [Related reagents](#)

**Entrez Gene:**

[17082](#)    Il1rl1    [Related reagents](#)

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**Synonyms** Ly84, St2, Ste2

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**RRID** AB\_2125319

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**Specificity** **Rabbit anti Mouse ST2 (N-Terminal) antibody** recognizes an epitope within the N-Terminal region (NT) of mouse ST2, a member of the Toll-interleukin 1 receptor (TIR) superfamily, expressed by mast cells and TH<sub>2</sub> helper cells, but not by TH<sub>1</sub> effector cells.

The majority of TIR superfamily members, which includes the Interleukin-1 receptor (IL-1R1), Toll-like receptors (TLRs) and the cytosolic adaptor proteins MyD88, TIRAP, Trif and TRAM, initiate innate immunity through the ultimate activation of the transcription factor NF-kappaB and are inducers of the inflammatory response. In contrast ST2, which itself is unable to activate NF-kappaB, has been identified as a negative regulator of IL-1R1 and TLR4 signaling by sequestering MyD88 and TIRAP in line with its role as a crucial receptor in TH<sub>2</sub>-cell mediated responses ([Brint \*et al.\* 2004](#) and [Coyle \*et al.\* 1999](#)).

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**Western Blotting** AHP999 detects a band of approximately 45kDa in mouse kidney cell lysates. (Predicted Mwt. 62 kDa).

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**Further Reading**

1. Brint, E.K. *et al.* (2004) ST2 is an inhibitor of interleukin 1 receptor and Toll-like receptor 4 signaling and maintains endotoxin tolerance. [Nat Immunol. 5 \(4\): 373-9.](#)
2. Coyle, A.J. *et al.* (1999) Crucial role of the interleukin 1 receptor family member T1/ST2 in T helper cell type 2-mediated lung mucosal immune responses. [J Exp Med. 190 \(7\): 895-902.](#)

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**Storage** 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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee** 12 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 (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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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)  
'M382450:210513'

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