

## Datasheet: AHP1205

<b>Description:</b>	RABBIT ANTI SOCS-1 (C-TERMINAL)
<b>Specificity:</b>	SOCS-1 (C-TERMINAL)
<b>Other names:</b>	SUPPRESSOR OF CYTOKINE SIGNALLING 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>Preparation</b>	Antisera to human SOCS1 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was 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 1.0 mg/ml
<b>Immunogen</b>	A 15 amino acid peptide located near the carboxy terminus of human SOCS1.

**External Database  
Links**

**UniProt:**

[O15524](#)   [Related reagents](#)

**Entrez Gene:**

[8651](#)   SOCS1   [Related reagents](#)

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**Synonyms**

SSI1, TIP3

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**Specificity**

**Rabbit anti Human SICS-1 antibody** recognizes Suppressor of cytokine signalling 1 (SOCS1), a ~24 kDa member of the Suppressor of cytokine signalling family. SOCS1 acts downstream of cytokine receptors and plays a role in the negative regulation of cytokine signalling. It acts mainly on the Janus kinase (JAK)/signal transducers and activators of transcription-3 (STAT3) pathway but also inhibits signalling by cytokines such as insulin and toll-like receptors. Furthermore SOCS1 is involved in ubiquitin-dependent protein degradation, plays a role in T cell activation and in the regulation of IL-6, IL-4, IL-12 and IL-15. SOCS1 is expressed ubiquitously and at elevated levels in the spleen, small intestine and peripheral blood leukocytes.

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**Western Blotting**

AHP1205 detects a bands of approximately 1.0-23.0ug/ml in human spleen cell lysates.

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**Further Reading**

1. Davey, G. *et al.* (2006) SOCS1: a potent and multifaceted regulator of cytokines and cell-mediated inflammation. [Tissue Antigens. 67:1-9.](#)
2. Rakesh, K. *et al.* (2005) Controlling cytokine signaling by constitutive inhibitors. [Biochem Pharmacol. 70:649-57.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. 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)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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