

## Datasheet: AHP1173

**BATCH NUMBER 144587**

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-23 (C-TERMINAL)
<b>Specificity:</b>	IL-23 (C-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	▪			10ug/ml
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.

#### Target Species

Human

#### Species Cross Reactivity

Reacts with: 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 IL-23 (CT) were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

#### Buffer Solution

Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	A 14 amino acid peptide from near the carboxy-terminus of human IL-23.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9NPF7</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">51561</a>    IL23A    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	SGRF
<b>RRID</b>	AB_844622
<b>Specificity</b>	<p><b>Rabbit anti Human IL-23 antibody</b> recognizes the C-terminal (CT) domain of human interleukin-23 (IL-23), a ~21 kDa heterodimeric cytokine structurally related to IL-12. IL-23 is composed of a p19 subunit encoded by the IL23A gene, and a p40 subunit of interleukin-12 (IL12B). IL-23 is expressed mainly by activated macrophages and dendritic cells, and plays an important role in bridging innate and adaptive responses.</p> <p>IL-23 activates a subset of T cells called Th17 cells, which are characterised by the production of interleukin-17. The IL-23/IL-17 pathway is essential for the induction and maintenance of brain and joint inflammatory autoimmune diseases, including Guillain Barre Syndrome, Multiple sclerosis and rheumatoid arthritis.</p>
<b>Histology Positive Control Tissue</b>	Raji cells.
<b>Western Blotting</b>	AHP1173 detects a band of approximately 24kDa in Raji cell lysates
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Kikly, K. <i>et al.</i> (2006) The IL-23/Th(17) axis: therapeutic targets for autoimmune inflammation. <a href="#">Curr Opin Immunol. 18 (6): 670-5.</a></li> <li>2. Hu, W. <i>et al.</i> (2006) Interleukin 23 in acute inflammatory demyelination of the peripheral nerve. <a href="#">Arch Neurol. 63 (6): 858-64.</a></li> <li>3. Langrish, C.L. <i>et al.</i> (2004) IL-12 and IL-23: master regulators of innate and adaptive immunity. <a href="#">Immunol Rev. 202: 96-105.</a></li> <li>4. Hunter, C.A. (2005) New IL-12-family members: IL-23 and IL-27, cytokines with divergent functions. <a href="#">Nat Rev Immunol. 5 (7): 521-31.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1173">https://www.bio-rad-antibodies.com/SDS/AHP1173</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- 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)  
'M363832:200529'

Printed on 18 Jan 2024