

Datasheet: AHP1173

Description:	RABBIT ANTI HUMAN INTERLEUKIN-23 (C-TERMINAL)
Specificity:	IL-23 (C-TERMINAL)
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	▪			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

Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	A 14 amino acid peptide from near the carboxy-terminus of human IL-23.
External Database Links	<p>UniProt: Q9NPF7 Related reagents</p> <p>Entrez Gene: 51561 IL23A Related reagents</p>
Synonyms	SGRF
RRID	AB_844622
Specificity	<p>Rabbit anti Human IL-23 antibody 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>
Histology Positive Control Tissue	Raji cells.
Western Blotting	AHP1173 detects a band of approximately 24kDa in Raji cell lysates
Further Reading	<ol style="list-style-type: none"> 1. Kikly, K. <i>et al.</i> (2006) The IL-23/Th(17) axis: therapeutic targets for autoimmune inflammation. Curr Opin Immunol. 18 (6): 670-5. 2. Hu, W. <i>et al.</i> (2006) Interleukin 23 in acute inflammatory demyelination of the peripheral nerve. Arch Neurol. 63 (6): 858-64. 3. Langrish, C.L. <i>et al.</i> (2004) IL-12 and IL-23: master regulators of innate and adaptive immunity. Immunol Rev. 202: 96-105. 4. Hunter, C.A. (2005) New IL-12-family members: IL-23 and IL-27, cytokines with divergent functions. Nat Rev Immunol. 5 (7): 521-31.
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</p>

frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP1173 10040
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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 \(STAR209P\)](#)

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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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