

Datasheet: AHP1821

BATCH NUMBER 159052

Description:	GOAT ANTI HUMAN INTERLEUKIN-23 RECEPTOR (N-TERMINAL)
Specificity:	IL-23 RECEPTOR (N-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			▪	
Immunohistology - Paraffin (1)	▪			1/125
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/500

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.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections

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 Antiserum to human IL-23R (NT) was raised by repeated immunisation of goats with

highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution	Phosphate buffered saline
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Preservative	0.1% Sodium Azide (NaN ₃)
Stabilisers	0.1% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
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Immunogen	Synthetic peptide CQPRKLHFYKNGIKERFQITRINKTTARL corresponding to amino acids 59-87 within the N-terminal region of human IL-23 receptor.
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External Database Links	UniProt: Q5VWK5 Related reagents Q8K4B4 Related reagents Entrez Gene: 149233 IL23R Related reagents 209590 IL23r Related reagents
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RRID	AB_2233639
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Specificity	<p>Goat anti Human Interleukin-23 receptor antibody recognizes the human interleukin-23 receptor (IL-23R). The interleukin-23 receptor is 629 amino acid ~72kDa single pass type I transmembrane glycoprotein belonging to the type I cytokine receptor family and possessing two fibronectin type III domains. Multiple potential isoforms formed by alternative splicing are described. Goat anti Human Interleukin-23 receptor antibody recognizes an epitope within the N-terminal (NT) region of Interleukin-23 receptor (IL-23R), present in isoforms 1, 3 and 4 (UniProt: Q5VWK5), the antibody is not expected to recognize other truncated forms of the receptor lacking the immunogen sequence. IL-23R is a mediator of T-cell, NK cell, and possibly macrophage/myeloid cell, stimulation acting as the receptor for IL-23, by association with the beta component of IL-12R and is thought to signal through activation of the JAK-STAT signaling pathway. Genetic variation in IL23R is associated with inflammatory bowel disease type 17 (Kistner et al. 2006) and susceptibility to the ulcerative and inflammatory psoriasis (Hüffmeier et al. 2009).</p> <p>Goat anti Human Interleukin-23 receptor antibody is reported as suitable for use in immunocytochemistry on acetone fixed cells and has been used successfully for the immunohistochemical localization of IL-23R in formalin fixed, paraffin embedded human tissues. .</p>
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Histology Positive Control Tissue	Spleen
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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.
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Avoid repeated freezing and thawing as this may denature the antibody. Storage in 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 #10041 available at: https://www.bio-rad-antibodies.com/SDS/AHP1821 10041
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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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
'M382708:210513'

Printed on 01 Mar 2024