

Datasheet: AHP1821

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.
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
Preservative	0.1% Sodium Azide (NaN ₃)
Stabilisers	0.1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide CQPRKLHFYKNGIKERFQITRINKTTARL corresponding to amino acids 59-87

within the N-terminal region of human IL-23 receptor.

External Database

Links

UniProt:

[Q5VWK5](#) [Related reagents](#)
[Q8K4B4](#) [Related reagents](#)

Entrez Gene:

[149233](#) IL23R [Related reagents](#)
[209590](#) IL23r [Related reagents](#)

Specificity

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 signalling 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](#)).

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. .

Histology Positive Control Tissue

Spleen

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
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.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10304 available at:
10304: <https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Useful Reagents

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

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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