

## Datasheet: AHP1819

<b>Description:</b>	GOAT ANTI HUMAN INTERLEUKIN-21 RECEPTOR (N-TERMINAL)
<b>Specificity:</b>	IL-21 RECEPTOR (N-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			▪	
Immunohistology - Paraffin	▪			1/150
ELISA	▪			1/50,000
Immunoprecipitation			▪	
Western Blotting			▪	

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

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antiserum to human IL-21R (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<sub>3</sub>)  
**Stabilisers** 0.1% Bovine Serum Albumin

**Approx. Protein Concentrations** IgG concentration 1.0mg/ml

**Immunogen** Synthetic peptide CILEMWNLHPSTLTLTWQDQYEELKDEATS corresponding to amino acids 35-65 within the N-terminal region of human IL-21R.

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**External Database Links**

**UniProt:**

[Q9HBE5](#) [Related reagents](#)

**Entrez Gene:**

[50615](#) IL21R [Related reagents](#)

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**Synonyms** NILR

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**RRID** AB\_2124103

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**Specificity** **Rabbit anti Human interleukin-21 receptor antibody** recognizes an epitope within the N-terminal (NT) region of human interleukin-21 receptor (IL-21R), a type I transmembrane protein and member of the type I cytokine receptor family, selectively expressed by lymphoid tissues, which acts as the receptor for IL-21.

Interaction between IL-21R and IL-21 results in the activation of several downstream signaling molecules including JAK1 and STAT1 and plays an essential role in the differentiation and proliferation of B cells, T cells and natural killer (NK) cells.

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**ELISA** This product is suitable for use in indirect ELISA applications.

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**Histology Positive Control Tissue** Human lung or tonsil.

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**References** 1. Coit, P. *et al.* (2016) DNA methylation analysis of the temporal artery microenvironment in giant cell arteritis. [Ann Rheum Dis. 75 \(6\): 1196-202.](#)

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**Storage** Store at -20°C only.  
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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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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 \(BUF025A\)](#)

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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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)

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