

## Datasheet: AHP1819

**BATCH NUMBER 160830**

<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 Stabilisers

0.1% Sodium Azide (NaN<sub>3</sub>)  
0.1% Bovine Serum Albumin

#### Approx. Protein Concentrations

IgG concentration 1.0mg/ml

<b>Immunogen</b>	Synthetic peptide CILEMWNLHPSTLTLTWQDQYEELKDEATS corresponding to amino acids 35-65 within the N-terminal region of human IL-21R.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9HBE5</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">50615</a>    IL21R    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	NILR
<b>RRID</b>	AB_2124103
<b>Specificity</b>	<p><b>Rabbit anti Human interleukin-21 receptor antibody</b> 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.</p> <p>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.</p>
<b>ELISA</b>	This product is suitable for use in indirect ELISA applications.
<b>Histology Positive Control Tissue</b>	Human lung or tonsil.
<b>References</b>	1. Coit, P. <i>et al.</i> (2016) DNA methylation analysis of the temporal artery microenvironment in giant cell arteritis. <a href="#">Ann Rheum Dis. 75 (6): 1196-202.</a>
<b>Storage</b>	<p>Store at -20°C only.</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 #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1819">https://www.bio-rad-antibodies.com/SDS/AHP1819</a> 10041
<b>Regulatory</b>	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 \(BUF025A\)](#)

**North & South** Tel: +1 800 265 7376

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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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