

Datasheet: AHP1819

BATCH NUMBER 161005

Description:	GOAT ANTI HUMAN INTERLEUKIN-21 RECEPTOR (N-TERMINAL)
Specificity:	IL-21 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	▪			1/150
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 (NaN₃)
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.
External Database Links	<p>UniProt: Q9HBE5 Related reagents</p> <p>Entrez Gene: 50615 IL21R Related reagents</p>
Synonyms	NILR
RRID	AB_2124103
Specificity	<p>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.</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>
ELISA	This product is suitable for use in indirect ELISA applications.
Histology Positive Control Tissue	Human lung or tonsil.
References	1. Coit, P. <i>et al.</i> (2016) DNA methylation analysis of the temporal artery microenvironment in giant cell arteritis. Ann Rheum Dis. 75 (6): 1196-202.
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/AHP1819 10041
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 \(BUF025A\)](#)

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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

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