

## Datasheet: AHP1817

<b>Description:</b>	GOAT ANTI HUMAN INTERLEUKIN-21 (N-TERMINAL)
<b>Specificity:</b>	IL-21 (N-TERMINAL)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## 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)	▪			
ELISA	▪			1/50000
Immunoprecipitation			▪	
Western Blotting			▪	
Immunocytochemistry	▪			

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)IL-21 antibody requires antigen retrieval using heat treatment prior to staining of paraffin sections.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to human IL-21 (NT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.1% Bovine Serum Albumin

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Synthetic peptide C-RQLDIVDQLKNYVNDLVPEFLPAPEDVE corresponding to amino acids 40-68 within the N-terminal region of human IL-21.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9HBE4</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">59067</a>   IL21   <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2125267
<b>Specificity</b>	<p><b>Goat anti Human Interleukin-21 antibody</b> recognizes human interleukin-21, also known as IL-21 or Za11. IL-21 is a , a 155 amino acid pro-cytokine, reduced to 133 amino acids in the secreted mature form. IL-21 is a potent immunoregulatory cytokine and member of the IL-15/IL-21 family, expressed and secreted by activated CD4+ T cells. Two potential isoforms are generated by alternative splicing and differing in sequence at the C-terminus (<a href="#">UniProt: Q9HBE4</a>). Goat anti Human interleukin-21 antibody recognizes an epitope within the N-terminal (NT) region of human interleukin-21 (IL-21) and is expected to bind both isoforms.</p> <p>IL-21 enhances the proliferation/differentiation of stimulated B-cells, the proliferation of bone marrow progenitor cells, and increases the activity of NK cells and disease-specific CD8+ T-cells. IL-21 signals through binding to the specific type I cytokine receptor IL-21R, coupled with the common cytokine receptor <math>\gamma</math> chain (<math>\gamma c</math>), initiating the activation of the JAK/STAT signalling pathway.</p> <p>Goat anti Human Interleukin-21 antibody is suitable for use in immunocytochemistry on human spleen or tonsil cells.</p>
<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: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Secondary Antibodies

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

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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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