

Datasheet: AHP1845

**BATCH NUMBER 160912**

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-21
<b>Specificity:</b>	IL-21
<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
Immunohistology - Paraffin (1)	▪			5ug/ml
Western Blotting	▪			0.5 - 1.0ug/ml

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.Sodium citrate buffer pH 6.0 is recommended for this purpose.**

### Target Species

Human

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antisera to human IL-21 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)

### Approx. Protein Concentrations

IgG concentration 0.5 mg/ml

**Immunogen** A synthetic peptide corresponding to 15 amino acids from near the centre of human IL-21 precursor.

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**External Database Links**

**UniProt:**

[Q9HBE4](#) [Related reagents](#)

**Entrez Gene:**

[59067](#) IL21 [Related reagents](#)

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**RRID** AB\_2125266

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**Specificity** **Rabbit anti Human interleukin-21 antibody** recognizes human Interleukin-21 (IL-21), also known as Za11. IL-21 is a cytokine with immunoregulatory activity. IL-21 stimulates B- and T-cell proliferation and increases the activity of NK cells and disease-specific cytotoxic T-cells. It might also inhibit dendritic cell activation and maturation during the T-cell mediated immune response.

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**Histology Positive Control Tissue** Human spleen

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**References**

1. Tripodo, C. *et al.* (2010) Mast Cells and Th17 Cells Contribute to the Lymphoma-Associated Pro-Inflammatory Microenvironment of Angioimmunoblastic T-Cell Lymphoma. [Am J Pathol. 177: 792-802.](#)
2. 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 +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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1845>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Useful Reagents

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

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South America** 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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