

Datasheet: AHP1845

Description:	RABBIT ANTI HUMAN INTERLEUKIN-21
Specificity:	IL-21
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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	<0.1% Sodium Azide (NaN ₃)
---------------------------------	--

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.

External Database**Links****UniProt:**

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

Entrez Gene:

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

RRID

AB_2125266

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.

Histology Positive Control Tissue

Human spleen

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.](#)
-

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1845>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR54...) [HRP](#)

Recommended Useful Reagents

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

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

North & South Tel: +1 800 265 7376

Worldwide Tel: +44 (0)1865 852 700

Europe Tel: +49 (0) 89 8090 95 21

America Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_us@bio-rad.com

Email: antibody_sales_uk@bio-rad.com

Email: antibody_sales_de@bio-rad.com

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M389169:210806'

Printed on 18 Jan 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)