

Datasheet: VPA00596

Description:	RABBIT ANTI INTERLEUKIN-21
Specificity:	IL-21
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

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
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid.

Preparation

Rabbit polyclonal antibody purified by affinity chromatography.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
2% Sucrose.

Immunogen

Synthetic peptide directed towards the C-terminal region of Human interleukin-21

**External Database
Links**

UniProt:

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

Entrez Gene:

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

Specificity

Rabbit anti Human interleukin-21 antibody recognizes interleukin-21 (IL-21), also known as Za11. IL-21 is a 133 amino acid ~ 17 kDa immunoregulatory cytokine.

The IL21 gene encodes a member of the common-gamma chain family of cytokines with immunoregulatory activity. The encoded protein plays a role in both the innate and adaptive immune responses by inducing the differentiation, proliferation and activity of multiple target cells including macrophages, natural killer cells, B cells and cytotoxic T cells. Dysregulation of IL21 plays a role in multiple immune-mediated diseases including lupus, psoriasis and chronic inflammatory diseases. Mutation of the IL21 gene causes Immunodeficiency, common variable, 11 ([CVID11](#)), a condition characterized by antibody and the inability to mount an antibody response to antigen leading to recurrent bacterial infections ([Salzar et al. 2014](#)). Alternatively spliced transcript variants encoding multiple isoforms have been observed for IL21 (provided by RefSeq, Dec 2011).

Rabbit anti Human interleukin-21 antibody detects a band of 17 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti interleukin-21 detects a band of approximately 17 kDa in NIH/3T3 cell lysates.

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee

12 months from date of despatch.

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety
Information**

Material Safety Datasheet documentation #10045 available at:
Antibody (10045): <https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf>

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

**North & South
America** Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

'M402852:220720'

Printed on 09 Dec 2022

