

## Datasheet: VPA00596

<b>Description:</b>	RABBIT ANTI INTERLEUKIN-21
<b>Specificity:</b>	IL-21
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG - liquid.
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	<p>0.09% Sodium Azide (NaN<sub>3</sub>)</p> <p>2% Sucrose.</p>
<b>Immunogen</b>	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:  
<https://www.bio-rad-antibodies.com/SDS/VPA00596>  
Antibody (10045)

**Regulatory**

For research purposes only.

## Related Products

### Recommended Secondary Antibodies

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

**North & South  
America**

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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://www.bio-rad-antibodies.com/datasheets)

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