

## Datasheet: AHP1285

**BATCH NUMBER 155522**

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-31
<b>Specificity:</b>	IL-31
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

### 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			▪	
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/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.

#### Target Species

Human

#### Product Form

Purified IgG - lyophilised

#### Reconstitution

Reconstitute with 0.1ml distilled water.

For long term storage the addition of 0.09% sodium azide is recommended.

#### Antiserum Preparation

Antisera to human IL-31 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.

#### Buffer Solution

Phosphate buffered saline

#### Preservative Stabilisers

None present

<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml after reconstitution
<b>Immunogen</b>	Recombinant human IL-31.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q6EBC2</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">386653</a>   IL31   <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2280180
<b>Specificity</b>	<p><b>Rabbit anti Human Interleukin-31 antibody</b> recognizes human IL-31 (interleukin-31), a 141 amino acid T-cell derived cytokine and member of the IL-6 cytokine family, which shares homology with oncostatin M, cardiotrophin-1 and LIF (leukaemia inhibitory factor).</p> <p>IL-31 is preferentially produced by type 2 helper T cells (Th2) and signals through binding to the IL-31 receptor consisting of IL-31 receptor A (IL-31RA/GPL) and oncostatin M receptor B, activators of STAT1, STAT3 and STAT5. IL-31 is an important mediator of T cell mediated immune response and is particularly linked with diseases of the skin, including dermatitis and pruritic atopic skin inflammation, and is also implicated in bronchial inflammation.</p>
<b>Further Reading</b>	1. Castellani, M.L. <i>et al.</i> (2006) Interleukin-31: a new cytokine involved in inflammation of the skin. <a href="#">Int J Immunopathol Pharmacol. 19 (1): 1-4.</a>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. 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>	6 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP128510162">https://www.bio-rad-antibodies.com/SDS/AHP128510162</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

## Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)  
'M372487:200706'

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