

Datasheet: AHP1285

BATCH NUMBER 172806

Description:	RABBIT ANTI HUMAN INTERLEUKIN-31
Specificity:	IL-31
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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 - lyophilized

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

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml after reconstitution
Immunogen	Recombinant human IL-31.
External Database Links	<p>UniProt: Q6EBC2 Related reagents</p> <p>Entrez Gene: 386653 IL31 Related reagents</p>
RRID	AB_2280180
Specificity	<p>Rabbit anti Human Interleukin-31 antibody 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>
Further Reading	1. Castellani, M.L. <i>et al.</i> (2006) Interleukin-31: a new cytokine involved in inflammation of the skin. Int J Immunopathol Pharmacol. 19 (1): 1-4.
Storage	<p>This product is shipped at ambient temperature. 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>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10294 available at: https://www.bio-rad-antibodies.com/SDS/AHP1285
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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 \(STAR209P\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M439022:250523'

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