

Datasheet: AHP1816

Description:	RABBIT ANTI HUMAN INTERLEUKIN-21 (C-TERMINAL)
Specificity:	IL-21 (C-TERMINAL)
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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1/100000
Immunoprecipitation			■	
Western Blotting			■	

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 - liquid
Antiserum Preparation	Antiserum to human IL-21 (CT) was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	0.1% Sodium Azide (NaN ₃)
Stabilisers	0.1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide CDSYEKKPPKEFLERFKSLLQKMIHQHLS corresponding to amino acids 125-153 within the C-terminal region of human IL-21.
External Database Links	UniProt: Q9HBE4 Related reagents

Entrez Gene:[59067](#) IL21 [Related reagents](#)

Specificity	<p>Rabbit anti Human Interleukin-21 antibody recognizes human interleukin-21, also known as IL-21 or Za11. IL-21 is a 155 amino acid ~18 kDa cytokine secreted by activated CD4+ve cells. Rabbit anti Human Interleukin-21 antibody recognizes an epitope within the C-terminal (CT) region of human interleukin-21 (IL-21), a potent immunoregulatory cytokine and member of the IL-15/IL-21 family.</p> <p>IL-21 enhances the proliferation/differentiation of stimulated B-cells, the proliferation of bone marrow progenitor cells, and increases the activity of NK cells and disease-specific CD8+ T-cells. IL-21 signals through binding to the specific type I cytokine receptor IL-21R, coupled with the common cytokine receptor γ chain (γc), initiating the activation of the JAK/STAT signalling pathway.</p> <p>Rabbit anti Human Interleukin-21 antibody is suitable for use in immunocytochemistry on human spleen cells.</p>
ELISA	AHP1816 may be used for the detection of human IL-21 in combination with AHP1817
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	18 months from date of despatch.
Health And Safety Information	<p>Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10304 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800

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