

Datasheet: AHP1817

BATCH NUMBER 160586

Description:	GOAT ANTI HUMAN INTERLEUKIN-21 (N-TERMINAL)
Specificity:	IL-21 (N-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 (1)	▪			
ELISA	▪			1/50000
Immunoprecipitation			▪	
Western Blotting			▪	
Immunocytochemistry	▪			

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.

(1)IL-21 antibody requires antigen retrieval using heat treatment prior to staining of paraffin sections.

Target Species Human

Product Form Purified IgG - liquid

Antiserum Preparation Antiserum to human IL-21 (NT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative 0.1% Sodium Azide (NaN₃)

Stabilisers	0.1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Synthetic peptide C-RQLIDIVDQLKNYVNDLVPEFLPAPEDVE corresponding to amino acids 40-68 within the N-terminal region of human IL-21.
External Database Links	<p>UniProt: Q9HBE4 Related reagents</p> <p>Entrez Gene: 59067 IL21 Related reagents</p>
RRID	AB_2125267
Specificity	<p>Goat anti Human Interleukin-21 antibody recognizes human interleukin-21, also known as IL-21 or Za11. IL-21 is a , a 155 amino acid pro-cytokine, reduced to 133 amino acids in the secreted mature form. IL-21 is a potent immunoregulatory cytokine and member of the IL-15/IL-21 family, expressed and secreted by activated CD4+ T cells. Two potential isoforms are generated by alternative splicing and differing in sequence at the C-terminus (UniProt: Q9HBE4). Goat anti Human interleukin-21 antibody recognizes an epitope within the N-terminal (NT) region of human interleukin-21 (IL-21) and is expected to bind both isoforms.</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 gamma chain (gc), initiating the activation of the JAK/STAT signalling pathway.</p> <p>Goat anti Human Interleukin-21 antibody is suitable for use in immunocytochemistry on human spleen or tonsil cells.</p>
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>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/AHP1817 10041</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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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

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