

Datasheet: AHP455B

Description:	RABBIT ANTI HUMAN INTERLEUKIN-17:Biotin
Specificity:	IL-17
Other names:	IL-17A
Format:	Biotin
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	■			0.25 - 1.0ug/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 conjugated to Biotin - lyophilised
Reconstitution	<p>Reconstitute with 0.5 ml sterile PBS containing 0.1% Bovine Serum Albumin.</p> <p>Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.</p> <p>For long term storage the addition of 0.09% sodium azide is recommended.</p>
Antiserum Preparation	Antisera to human IL-17 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present.
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml after reconstitution

Immunogen	Recombinant human IL-17
External Database Links	<p>UniProt: Q16552 Related reagents</p> <p>Entrez Gene: 3605 IL17A Related reagents</p>
Synonyms	CTLA8, IL17
Specificity	<p>Rabbit anti Human Interleukin-17 antibody recognizes human IL-17 (Interleukin-17/17A), also known as Cytotoxic T-lymphocyte-associated antigen 8 or CTLA-8. Interleukin-17 is a homodimer of two 132 amino acid chains resulting in a ~32 kDa disulfide-linked cytokine belonging to the IL-17 family (classified as IL-17A to IL-17F) which signals through the IL-17 receptor (IL-17R/CDw217).</p> <p>IL-17 is produced primarily by activated CD4+ T cells and induces a variety of target cells to secrete inflammatory cytokines, including IL-1beta, IL-6, TNFalpha, IFNgamma and granulocyte colony-stimulating factor, as well as synergizing with other inflammatory cytokines and agonists. The role of IL-17 in bone metabolism has become a focus area for studies into Rheumatoid Arthritis, in which levels of IL-17 are significantly increased and may contribute to bone destruction (Ziolkowska <i>et al.</i> 2000).</p>
ELISA	This biotinylated human IL-17 antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with our purified human IL-17 antibody (AHP455G) as the capture reagent and recombinant human IL-17 (PHP098) as the standard.
Western Blotting	This antibody may be used in Western Blotting under either reducing or non-reducing conditions with recombinant human IL-17 (PHP098) as the positive control.
References	1. Parsonage, G. <i>et al.</i> (2008) Prolonged, granulocyte-macrophage colony-stimulating factor-dependent, neutrophil survival following rheumatoid synovial fibroblast activation by IL-17 and TNFalpha. Arthritis Res Ther. 10: R47.
Further Reading	1. Gaffen, S.L. (2004) Biology of recently discovered cytokines; Interleukin-17 – a unique inflammatory cytokine with roles in bone biology and arthritis. Arth. Res. and Therapy. 6: 240-247.
Storage	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at -20°C.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Positive Controls

[RECOMBINANT HUMAN INTERLEUKIN-17 \(PHP098\)](#)

Recommended Useful Reagents

[RABBIT ANTI HUMAN INTERLEUKIN-16 \(AHP454G\)](#)

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