

## Datasheet: AHP455G

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-17
<b>Specificity:</b>	IL-17
<b>Other names:</b>	IL-17A
<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 (1)	▪			0.25ug/ml
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Immunofluorescence	▪			
Functional Assays (2)	▪			0.93 - 1.3ug/ml

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1) **This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

(2) **To yield one-half maximal inhibition [ND50] of the biological activity of hIL-17A (50.0 ng/ml).**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water 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.

For long term storage the addition of 0.09% sodium azide is recommended.  
N.B. For functional studies do not add sodium azide

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**Antiserum Preparation** Antisera to human IL-17 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by antigen affinity chromatography

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**Buffer Solution** Phosphate buffered saline

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**Preservative Stabilisers** None present

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**Carrier Free** Yes

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml after reconstitution

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**Immunogen** [Recombinant human IL-17](#)

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**External Database Links**

**UniProt:**  
[Q16552](#)    [Related reagents](#)

**Entrez Gene:**  
[3605](#)    IL17A    [Related reagents](#)

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**Synonyms** CTLA8, IL17

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**RRID** AB\_2124883

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**Specificity** **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).

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, TNF- $\alpha$ , IFN- $\gamma$ , and granulocyte colony-stimulating factor, as well as synergizing with other inflammatory cytokines and agonists. IL-17 has roles in bone metabolism and rheumatoid arthritis, in which levels of IL-17 are significantly increased and may contribute to bone destruction ([Ziolkowska et al. 2000](#)).

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**ELISA** This purified human IL-17 antibody may be used in an ELISA with [recombinant human IL-17](#) (PHP098) as the standard.

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**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.

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**References** 1. Parsonage, G. *et al.* (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.](#)

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**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. [Arthritis Res Ther. 6 \(6\): 240-7.](#)

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**Storage** Prior to reconstitution store at -20°C.  
After reconstitution store at -20°C.

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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10294 available at:  
10294: <https://www.bio-rad-antibodies.com/uploads/MSDS/10294.pdf>

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**Regulatory** For research purposes only

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## 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 Positive Controls

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

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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](http://bio-rad-antibodies.com/datasheets)

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