

Datasheet: AHP455G

BATCH NUMBER 157678

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| Description: | RABBIT ANTI HUMAN INTERLEUKIN-17 |
| Specificity: | IL-17 |
| Other names: | IL-17A |
| 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 (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).

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| Target Species | Human |
| Product Form | Purified IgG - lyophilised |
| Reconstitution | 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

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

Buffer Solution Phosphate buffered saline

Preservative Stabilisers None present

Carrier Free Yes

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

Immunogen [Recombinant human IL-17](#)

External Database Links

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

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

Synonyms CTLA8, IL17

RRID AB_2124883

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- α , IFN- γ , 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 et al. 2000](#)).

ELISA This purified human IL-17 antibody may be used in an ELISA with [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.

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| 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. Arthritis Res Ther. 6 (6): 240-7. |
| 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. |
| Guarantee | 6 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/AHP455G 10162 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
 Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
 Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
 Goat Anti Rabbit IgG (H/L) (STAR124...) [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](https://www.bio-rad-antibodies.com/datasheets)
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