

## Datasheet: AHP1283

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-17F
<b>Specificity:</b>	IL-17F
<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			▪	
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.9 - 1.2 ug/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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. N.B. For functional studies do not add sodium azide.
<b>Antiserum Preparation</b>	Antisera to human IL-17F were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	None present

## Stabilisers

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**Carrier Free** Yes

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

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**Immunogen** Recombinant human IL-17F.

## External Database Links

**UniProt:**  
[Q96PD4](#) [Related reagents](#)

**Entrez Gene:**  
[112744](#) IL17F [Related reagents](#)

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**Synonyms** IL24

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**RRID** AB\_2125420

## Specificity

**Rabbit anti Human interleukin-17F antibody** recognizes human IL-17F (interleukin-17F), a disulphide-linked homodimer consisting of two 133 amino acid chains, which belongs to the IL-17 gene family and shares the highest sequence homology with IL-17A.

IL-17F is expressed by activated CD4+ T-cells and monocytes, and acts as a stimulator of cytokine production, including granulocyte colony-stimulating factor (GM-CSF), IL-6 and IL-8. IL-7F also stimulates the production of IL-2, MCP-1 (monocyte chemotactic protein-1) and TGFB (Transforming growth factor beta) by endothelial cells, and inhibits endothelial cell angiogenesis.

Rabbit anti Human interleukin-17F antibody (AHP1283) has been used in neutralisation assays where 50% inhibition (ND50) of the biological activity of 50ng/ml of human IL-17F was achieved using 0.9-1.2µg/ml of antibody.

## References

1. Starnes, T. *et al.* (2001) Cutting edge: IL-17F, a novel cytokine selectively expressed in activated T cells and monocytes, regulates angiogenesis and endothelial cell cytokine production. [J Immunol. 167 \(8\): 4137-40.](#)

## 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** Material Safety Datasheet documentation #10294 available at:

**Information** <https://www.bio-rad-antibodies.com/SDS/AHP128310294>

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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 Useful Reagents

[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)  
'M399236:220628'

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