

## Datasheet: 1021401

<b>Description:</b>	RAT ANTI MOUSE INTERLEUKIN-17
<b>Specificity:</b>	IL-17
<b>Other names:</b>	IL-17A
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	TC11-8H4
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.5 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
ELISA	▪			

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>	Mouse
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Antibody purified from ascites
<b>Buffer Solution</b>	Borate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	0.5 mg/ml
<b>Immunogen</b>	Recombinant mouse IL-17 expressed in <i>E. coli</i>
<b>RRID</b>	AB_618681

**Specificity** **Rat anti Mouse interleukin 17 antibody, clone TC11-8H4** recognizes mouse interleukin 17, a 32kDa disulfide-linked homodimer consisting of two 136 amino acid chains belonging to the IL-17 family (classified as IL-17A to IL-17F), and 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, TNFalpha, IFNgamma and granulocyte colony-stimulating factor, as well as synergizing with other inflammatory cytokines and agonists. IL-17 plays a role in the development of rheumatoid arthritis, with levels of IL-17 significantly increased and may contribute to bone destruction ([Chabaud et al. 2000](#)).

Rat anti mouse interleukin-17 antibody has been successfully used for the identification of IL-17 secreting cells in a murine anti-tumor immunity model by ELISPOT analysis ([Yu et al. 2013](#))

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**References** 1. Yu, Y. *et al.* (2013) Adoptive transfer of Tc1 or Tc17 cells elicits antitumor immunity against established melanoma through distinct mechanisms. [J Immunol. 190: 1873-81.](#)

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**Storage** Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
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.

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**Guarantee** Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

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**Health And Safety Information** Material Safety Datasheet documentation #10123 available at: 10123: <https://www.bio-rad-antibodies.com/uploads/MSDS/10123.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight@550</a> , <a href="#">DyLight@650</a> , <a href="#">DyLight@800</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight@800</a>

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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://bio-rad-antibodies.com/datasheets)

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