

Datasheet: 1021401

Description:	RAT ANTI MOUSE INTERLEUKIN-17
Specificity:	IL-17
Other names:	IL-17A
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	TC11-8H4
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Mouse
Product Form	Purified IgG - liquid
Buffer Solution	Borate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	0.5 mg/ml
Immunogen	Recombinant mouse IL-17 expressed in <i>E. coli</i>

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, which belong to the IL-17 family (classified as IL-17A to IL-17F), and signal 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. 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 ([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](#))

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.](#)

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.

Shelf Life

Please see label for expiry date

Health And Safety Information

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®549 , DyLight®649 , DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP

Recommended Negative Controls

[RAT IgG1 NEGATIVE CONTROL \(MCA1211\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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