

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
Preparation	Antibody purified from ascites
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>
RRID	AB_618681

Specificity	<p>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).</p> <p>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).</p> <p>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)</p>
References	<p>1. Yu, Y. <i>et al.</i> (2013) Adoptive transfer of Tc1 or Tc17 cells elicits antitumor immunity against established melanoma through distinct mechanisms. J Immunol. 190: 1873-81.</p>
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	<p>Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.</p>
Health And Safety Information	<p>Material Safety Datasheet documentation #10123 available at: https://www.bio-rad-antibodies.com/SDS/1021401</p> <p>10123</p>
Regulatory	<p>For research purposes only</p>

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®550 , DyLight®650 , DyLight®800
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR16...)	DyLight®800

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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