

Datasheet: 1021401

BATCH NUMBER 166526

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| 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.

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|---------------------------------------|---|
| 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> |

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| 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 10123</p> |
| Regulatory | <p>For research purposes only</p> |

Related Products

Recommended Secondary Antibodies

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|--|---|
| 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 |

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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

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