

## Datasheet: MCA1495

**BATCH NUMBER 180301**

<b>Description:</b>	RAT ANTI MOUSE INTERLEUKIN-5
<b>Specificity:</b>	IL-5
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	TRFK5
<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
Flow Cytometry (1)	▪			
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**(1) Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code [BUF09](#)) for this purpose.**

<b>Target Species</b>	Mouse
<b>Species Cross Reactivity</b>	<p>Reacts with: Human, Pig, Guinea Pig</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from ascites

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Purified natural murine IL-5
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P04401</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">16191</a>    IL5    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	IL-5
<b>RRID</b>	AB_2264942
<b>Specificity</b>	<p><b>Rat anti mouse IL-5, clone TRFK5</b> recognizes <a href="#">mouse interleukin-5</a>. IL-5 is a regulatory cytokine that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells.</p> <p>Rat anti mouse IL-5, clone TRFK5 may be used to neutralize IL-5 bioactivity in a functional assay (<a href="#">Schumacher. et al. 1988</a>) and <a href="#">Abrams et al. 1992</a>).</p>
<b>References</b>	<ol style="list-style-type: none"> <li>Schumacher, J.H. <i>et al.</i> (1988) The characterization of four monoclonal antibodies specific for mouse IL-5 and development of mouse and human IL-5 enzyme-linked immunosorbent. <a href="#">J Immunol. 141 (5): 1576-81.</a></li> <li>Abrams, J.S. <i>et al.</i> (1992) Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. <a href="#">Immunol Rev. 127: 5-24.</a></li> <li>Röcken, M. <i>et al.</i> (1992) Central role for TCR/CD3 ligation in the differentiation of CD4+ T cells toward a Th1 or Th2 functional phenotype. <a href="#">J Immunol. 148 (1): 47-54.</a></li> <li>Betz, M. &amp; Fox, B.S. (1990) Regulation and development of cytochrome c-specific IL-4-producing T cells. <a href="#">J Immunol. 145 (4): 1046-52.</a></li> <li>Akdis, C.A. <i>et al.</i> (1996) Epitope-specific T cell tolerance to phospholipase A2 in bee venom immunotherapy and recovery by IL-2 and IL-15 <i>in vitro</i>. <a href="#">J Clin Invest. 98 (7): 1676-83.</a></li> <li>Portanova, J.P. <i>et al.</i> (1995) Rapid and selective induction of blood eosinophilia in guinea pigs by recombinant human interleukin 5. <a href="#">Cytokine. 7 (8): 775-83.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</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>

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1495">https://www.bio-rad-antibodies.com/SDS/MCA1495</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</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>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</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://www.bio-rad-antibodies.com/datasheets)  
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