

Datasheet: MCA1495

BATCH NUMBER 171654

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

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.

(1) Membrane permeabilization is required for this application. The use of Leucoperm (Product Code [BUF09](#)) is recommended for this purpose.

Target Species

Mouse

Species Cross Reactivity

Reacts with: Human, Pig, Guinea Pig

N.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.

Product Form

Purified IgG - liquid

Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% sodium azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Purified natural murine IL-5
External Database Links	<p>UniProt: P04401 Related reagents</p> <p>Entrez Gene: 16191 II5 Related reagents</p>
Synonyms	IL-5
RRID	AB_2264942
Specificity	<p>Rat anti Mouse IL-5, clone TRFK5 recognizes mouse interleukin-5. 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 (Schumacher. et al. 1988) and Abrams et al. 1992).</p>
References	<ol style="list-style-type: none"> 1. Betz, M. & Fox, B.S. (1990) Regulation and development of cytochrome c-specific IL-4-producing T cells. J Immunol. 145 (4): 1046-52. 2. 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. J Immunol. 148 (1): 47-54. 3. 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. Immunol Rev. 127: 5-24. 4. Portanova, J.P. <i>et al.</i> (1995) Rapid and selective induction of blood eosinophilia in guinea pigs by recombinant human interleukin 5. Cytokine. 7 (8): 775-83. 5. 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>. J Clin Invest. 98 (7): 1676-83. 6. Dawson, H.D. <i>et al.</i> (2020) Porcine cytokines, chemokines and growth factors: 2019 update. Res Vet Sci. 131: 266-300.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in</p>

frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1495
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M437911:250320'

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