

Datasheet: MCA1495

BATCH NUMBER 180302

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 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.

Target Species	Mouse
Species Cross Reactivity	<p>Reacts with: Human, Pig, Guinea Pig</p> <p>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.</p>
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
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 IL5 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"> 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. J Immunol. 141 (5): 1576-81. 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. 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. Betz, M. & Fox, B.S. (1990) Regulation and development of cytochrome c-specific IL-4-producing T cells. J Immunol. 145 (4): 1046-52. 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. 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.
Storage	<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>

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA1495>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (STAR69...)	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

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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