

Datasheet: MCA6335Z

Description:	MOUSE ANTI HUMAN INTERLEUKIN-3:Preservative Free
Specificity:	IL-3
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	5A4-1-16
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	▪			8.0 ug/ml - 4.0 ug/ml
Western Blotting	▪			0.25 ug/ml - 0.5 ug/ml

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	Human
Product Form	Purified IgG - lyophilized
Reconstitution	Reconstitute with 0.5 ml distilled water
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 1 EU/μg

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml after reconstitution
Immunogen	<i>E. coli</i> derived recombinant human interleukin-3
External Database Links	<p>UniProt: P08700 Related reagents</p> <p>Entrez Gene: 3562 IL3 Related reagents</p>
Specificity	<p>Mouse anti Human interleukin-3 antibody, clone 5A4-1-16, recognizes interleukin-3 (IL-3) also known as hematopoietic growth factor, mast cell growth factor, multi potential colony-stimulating factor and p-cell-stimulatory factor. IL-3 is a member of the β common cytokine family which is expressed by both hematopoietic and non-hematopoietic cells. T cells are a major expresser of IL-3 during inflammation as a result of allergic reactions, parasitic and viral infection (Borriello et al. 2019).</p> <p>Upon binding to its receptor IL3-Rα, the JAK and STAT signaling pathways can be activated. This is used to activate plasmacytoid dendritic cells during viral infection and the expansion of mast cells and basophils during parasitic infection (Dougan et al. 2019).</p>
Storage	<p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. 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 #10294 available at: 10294: https://www.bio-rad-antibodies.com/uploads/MSDS/10294.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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
----------------------------------	---	------------------	---	---------------	---

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

'M376340:210127'

Printed on 29 Aug 2021

© 2021 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)