

Datasheet: MCA6335Z

**BATCH NUMBER 167295**

<b>Description:</b>	MOUSE ANTI HUMAN INTERLEUKIN-3:Preservative Free
<b>Specificity:</b>	IL-3
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	5A4-1-16
<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
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.

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

<b>Endotoxin Level</b>	< 1 EU/μg
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml after reconstitution
<b>Immunogen</b>	<i>E. coli</i> derived recombinant human interleukin-3
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P08700</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3562</a>    IL3    <a href="#">Related reagents</a></p>
<b>Specificity</b>	<p><b>Mouse anti Human interleukin-3 antibody, clone 5A4-1-16</b>, 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 (<a href="#">Borriello et al. 2019</a>).</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 (<a href="#">Dougan et al. 2019</a>).</p>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6335Z">https://www.bio-rad-antibodies.com/SDS/MCA6335Z</a> 10294
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>

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 \(MCA928\)](#)

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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://bio-rad-antibodies.com/datasheets)

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