

Datasheet: 0100-0462

**BATCH NUMBER 148703**

<b>Description:</b>	MOUSE ANTI HUMAN INTERLEUKIN-4 RECEPTOR
<b>Specificity:</b>	IL-4 RECEPTOR
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	25463 (49/20)
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 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	▪			1/10 - 1/40
Immunohistology - Paraffin	▪			1/20 - 1/60
ELISA	▪			1/250 - 1/1000
Western Blotting (1)	▪			1/125 - 1/500
Functional Assays	▪			

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 the appropriate negative/positive controls.

**(1)0100-0462 detects human IL-4 R under non-reducing conditions.**

<b>Target Species</b>	Human
<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>	0.5% Trehalose
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml

<b>Immunogen</b>	<i>Spodoptera frugiperda</i> lepidopteran ovarian cell line Sf21-derived, recombinant human interleukin 4 receptor, extracellular domain.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P24394</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3566</a>    IL4R    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	IL4RA
<b>RRID</b>	AB_620172
<b>Specificity</b>	<p><b>Mouse anti Human Interleukin-4 Receptor antibody, clone 25463</b> recognizes human Interleukin-4 receptor subunit alpha, also known as CD124. CD124 is a 825 amino acid ~90kDa type I single pass transmembrane glycoprotein bearing a single <a href="#">fibronectin type III</a> domain. Interleukin-4 Receptor form a heterodimeric complex with the <a href="#">cytokine receptor common subunit gamma</a>, referred to as the IL-4 type-1 complex. The alpha subunit can also form the type-II complex through association with the IL-13 receptor alpha 1 subunit. The IL-4R complex acts as a receptor for both interleukin-4 and interleukin-13. IL-4 R is expressed by B cells, T cells, monocytes and macrophages.</p> <p>Mouse anti Human Interleukin-4 Receptor antibody, clone 25463 is reported to block human cell surface IL-4 receptor mediated bioactivities induced by IL-4 or IL-13. An ND<sub>50</sub> was observed at approximately 5-20 ng/ml in the presence of 0.2 ng/ml of IL-4 using the factor dependant human erythroleukemic cell line, TF-1.</p>
<b>Storage</b>	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. 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>	<p>Material Safety Datasheet documentation #10121 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/0100-0462">https://www.bio-rad-antibodies.com/SDS/0100-0462</a>  10121</p>
<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...) [RPE](#)  
 Human Anti Mouse IgG2a (HCA037...) [HRP](#)  
 Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
 Goat Anti Mouse IgG (STAR70...) [FITC](#)  
 Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
 Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
 Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
 Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

### **Recommended Negative Controls**

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</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://bio-rad-antibodies.com/datasheets)  
 'M362741:200528'

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