

Datasheet: 0100-0462

Description:	MOUSE ANTI HUMAN INTERLEUKIN-4 RECEPTOR
Specificity:	IL-4 RECEPTOR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	25463 (49/20)
Isotype:	IgG2a
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.5% Trehalose
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen *Spodoptera frugiperda* lepidopteran ovarian cell line Sf21-derived, recombinant human interleukin 4 receptor, extracellular domain.

External Database Links

UniProt:
[P24394](#) [Related reagents](#)

Entrez Gene:
[3566](#) IL4R [Related reagents](#)

Synonyms IL4RA

RRID AB_620172

Specificity **Mouse anti Human Interleukin-4 Receptor antibody, clone 25463** 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 [fibronectin type III](#) domain. Interleukin-4 Receptor form a heterodimeric complex with the [cytokine receptor common subunit gamma](#), 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.

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 ND₅₀ 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.

Storage Store at -20°C only.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10121 available at:
<https://www.bio-rad-antibodies.com/SDS/0100-0462>
10121

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

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 \(MCA929\)](#)

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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M362741:200528'

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