

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:	IgG1
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	▪			1/20 - 1/80
Immunohistology - Paraffin	▪			1/40 - 1/125
ELISA	▪			1/500 - 1/2000
Western Blotting (1)	▪			1/250 - 1/1000
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	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Trehalose
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>Spodoptera frugiperda</i> 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
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Specificity	<p>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.</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 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.</p>
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Storage	<p>Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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>
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet Documentation #10044 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10044.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Human Anti Mouse IgG1 (HCA036...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC

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