

Datasheet: MCA2089F

Description:	MOUSE ANTI RAT CD122:FITC
Specificity:	CD122
Other names:	INTERLEUKIN-2 RECEPTOR BETA CHAIN
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	L316
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)	▪			Neat

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1) An incubation time of 4 hours with MCA2089XZ is recommended for optimum staining, see Park *et al.*

Target Species	Rat		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography on Protein G		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein	IgG concentration 0.1 mg/ml		

Concentrations

Immunogen Rat CRNK cells and rat IL-2R beta cDNA-transfected mouse L929 cell line.

External Database Links

UniProt:

[P26896](#) [Related reagents](#)

Entrez Gene:

[25746](#) Il2rb [Related reagents](#)

RRID AB_324535

Specificity **Mouse anti Rat CD122 antibody, clone L316** recognizes CD122 the 80 kDa Beta subunit of IL-2R, which is shared by the IL-15 receptor. The interleukin-2 receptor (IL-2R) is composed of three subunits, namely alpha, beta and gamma. In peripheral lymphoid tissues of adult rats, CD122 is primarily expressed by NK cells and a subset of T lymphocytes.

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

1. Park JH *et al.* (1996) Identification and cellular distribution of the rat interleukin-2 receptor beta chain: induction of the IL-2R alpha- beta+ phenotype by major histocompatibility complex class I recognition during T cell development in vivo and by T cell receptor stimulation of CD4+8+ immature thymocytes in vitro. [Eur J Immunol. 26 \(10\): 2371-5.](#)
 2. Wrenshall, L.E. *et al.* (2014) Identification of a cytotoxic form of dimeric interleukin-2 in murine tissues. [PLoS One. 9: e102191.](#)
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Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10041 available at: 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA1209F)

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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Look out for updates on how to access your digital version at bio-rad-antibodies.com

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