

Datasheet: MCA6060GA

BATCH NUMBER 166799

Description:	MOUSE ANTI HUMAN CD122
Specificity:	CD122
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	TU27
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	▪			1/10 - 1/40

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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	TL-Mor cell line.
External Database Links	UniProt:

Entrez Gene:

[3560](#) IL2RB [Related reagents](#)

Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells from the murine SP2/0-Ag14 non-secreting myeloma.
Specificity	Mouse anti Human CD122 recognizes CD122 also known as IL-2 receptor beta chain. CD122 is a 70-75 kDa transmembrane protein and member of the Ig superfamily. CD122 is primarily expressed by NK cells and but also by certain subsets of T cells. CD122 dimerises with either CD132 or CD25 to form IL-2 receptors. Activation of the IL-2 receptor induces signaling within MAPK, PI3K and JAK-STAT pathways.
Flow Cytometry	Use 10 µl of the suggested working dilution to label 1x10 ⁶ cells in 100ul
References	<ol style="list-style-type: none">1. Phillips, J.H. <i>et al.</i> (1989) Activation of natural killer cells via the p75 interleukin 2 receptor. J Exp Med. 170 (1): 291-6.2. Yagita, H. <i>et al.</i> (1989) Activation of peripheral blood T cells via the p75 interleukin 2 receptor. J Exp Med. 170 (4): 1445-50.3. Suzuki, J. <i>et al.</i> (1989) IL-2 receptor subunit, p75: direct demonstration of its IL-2 binding ability by using a novel monoclonal antibody. Int Immunol. 1 (4): 373-7.4. Espinoza-delgado, I. <i>et al.</i> (1990) Expression and role of p75 interleukin 2 receptor on human monocytes. J Exp Med. 171 (5): 1821-6.5. Starkey, P.M. (1991) Expression on cells of early human pregnancy decidua, of the p75, IL-2 and p145, IL-4 receptor proteins. Immunology. 73 (1): 64-70.6. Trentin, L. <i>et al.</i> (1992) Expression and functional role of the p75 interleukin 2 receptor chain on leukemic hairy cells. Cancer Res. 52 (19): 5223-8.
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6060GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)

Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-rad.com		Email: antibody_sales_uk@bio-rad.com		Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M401848:220718'

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