

Datasheet: MCA6060GA

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: P14784 Related reagents 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	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. 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. 3. 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. 4. 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. 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.
Shelf Life	18 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	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
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South Tel: +1 800 265 7376

America 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

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