

Datasheet: MCA6060PE

Description:	MOUSE ANTI HUMAN CD122:RPE
Specificity:	CD122
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	TU27
Isotype:	IgG1
Quantity:	100 TESTS/0.5ml

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	▪			Neat

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 conjugated to R. Phycoerythrin (RPE) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	0.2% Bovine Serum Albumin		
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 5µl of the suggested working dilution to label 1x10 ⁶ cells in 100µl
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. 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. This product is photosensitive and should be protected from light. 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 #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:RPE \(MCA928PE\)](#)

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