

Datasheet: MCA494XZ

Description:	MOUSE ANTI RAT CD25:Preservative Free
Specificity:	CD25
Other names:	IL-2R ALPHA CHAIN
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	NDS 61
Isotype:	IgG1
Quantity:	1 mg

Product Details

RRID AB_321542

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	▪			1/100
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays	▪			

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.

Target Species Rat

Product Form Purified IgG - liquid

Preparation Purified IgG prepared by ion exchange chromatography

Buffer Solution Phosphate buffered saline

Preservative Stabilisers None present

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 1 mg/ml

Immunogen	Rat interleukin-2 receptor.
External Database Links	<p>UniProt: P26897 Related reagents</p> <p>Entrez Gene: 25704 Il2ra Related reagents</p>
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity	<p>Mouse anti Rat CD25 antibody, clone NDS 61 recognizes the rat CD25 cell surface antigen, a ~55 kDa molecule that is the low affinity alpha chain of the IL-2 receptor. Mouse anti Rat CD25 antibody, clone NDS 61 recognizes a different epitope on CD25 to Mouse anti Rat CD25, clone OX-39 (MCA273R) .</p> <p>Mouse anti Rat CD25 antibody, clone NDS 61 is reported to block IL-2 induced cell proliferation (Tellides <i>et al.</i> 1989).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Tellides, G. <i>et al.</i> (1987) Functional blocking of the interleukin-2 receptor (IL-2R) may be important in the efficacy of IL-2R antibody therapy. Transplant Proc. 19 (5): 4231-3. 2. Tellides, G. <i>et al.</i> (1989) Mechanism of action of interleukin-2 receptor (IL-2R) monoclonal antibody (MAb) therapy: target cell depletion or inhibition of function? Transplant Proc. 21 (1 Pt 1): 997-8. 3. Dallman, M.J. <i>et al.</i> (1988) Cytotoxicity and IL 2 reactivity of cells from rejected or nonrejected allografts. Transplant Proc. 20 (2): 226-8. 4. Bjersing, J.L. <i>et al.</i> (2002) Loss of ileal IgA+ plasma cells and of CD4+ lymphocytes in ileal Peyer's patches of vitamin A deficient rats. Clin Exp Immunol. 130: 404-8. 5. Gassel, H.J. <i>et al.</i> (2000) Tolerance of rat liver allografts induced by short-term selective immunosuppression combining monoclonal antibodies directed against CD25 and CD54 with subtherapeutic cyclosporine. Transplantation. 69: 1058-67. 6. Herías, M.V. <i>et al.</i> (1999) Immunomodulatory effects of <i>Lactobacillus plantarum</i> colonizing the intestine of gnotobiotic rats. Clin Exp Immunol. 116: 283-90. 7. Penttila, I.A. <i>et al.</i> (2003) Maternal milk regulation of cell infiltration and interleukin 18 in the intestine of suckling rat pups. Gut. 52: 1579-86. 8. Sawitzki, B. <i>et al.</i> (2004) IFN-gamma regulation in anti-CD4 antibody-induced T cell unresponsiveness. J Am Soc Nephrol. 15: 695-703. 9. Wu, H. <i>et al.</i> (2005) DNA vaccination with naked DNA encoding MCP-1 and RANTES protects against renal injury in adriamycin nephropathy. Kidney Int. 67: 2178-86. 10. Stanisavljević S <i>et al.</i> (2016) Gut-associated lymphoid tissue, gut microbes and susceptibility to experimental autoimmune encephalomyelitis. Benef Microbes. Feb 3 [Epub ahead of print] 11. Stanisavljević, S. <i>et al.</i> (2018) Gut Microbiota Confers Resistance of Albino Oxford Rats to the Induction of Experimental Autoimmune Encephalomyelitis. Front Immunol. 9: 942.
Storage	<p>Store at -20°C only.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend</p>

microcentrifugation before use.

Guarantee	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Preservative Free \(MCA1209XZ\)](#)

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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