

Datasheet: MCA04GT

Description:	MOUSE ANTI RAT CD90
Specificity:	CD90
Other names:	THY1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	T11D7e
Isotype:	IgM
Quantity:	25 µg

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	▪			1/5
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Cytotoxic 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
Species Cross Reactivity	<p>Reacts with: Mouse</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Ig fraction - liquid
Preparation	Ig fraction prepared by ammonium sulphate precipitation from tissue culture supernatant

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgM concentration 1 mg/ml
Immunogen	Xenogeneic rat thymocytes.
External Database Links	<p>UniProt: P01830 Related reagents</p> <p>Entrez Gene: 24832 Thy1 Related reagents</p>
Synonyms	Thy-1
RRID	AB_2201293
Fusion Partners	Spleen cells from immunised CBA mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity	<p>Mouse anti Rat CD90 antibody, clone T11D7e recognizes mouse and rat CD90 also known as Thy1.1. Thy1.1 is a monomorphic determinant in rat but polymorphic in mice. Clone T11D7e reacts with Thy1.1 mice e.g. AKR and FVB mice, but not Thy1.2 mice such as CBA and BALB/c.</p> <p>Clone T11D7e is useful for removal of T lymphocytes from cell populations by complement mediated cytotoxicity (Lake et al. 1979).</p> <p>Mouse anti Rat CD90 antibody, clone T11D7e is routinely tested in flow cytometry using mouse thymocytes.</p>
References	<ol style="list-style-type: none"> 1. Lake, P. <i>et al.</i> (1979) Production and characterization of cytotoxic Thy-1 antibody-secreting hybrid cell lines. Detection of T cell subsets. Eur J Immunol. 9 (11): 875-86. 2. Mahanthappa, N.K. <i>et al.</i> (1996) Glial growth factor 2, a soluble neuregulin, directly increases Schwann cell motility and indirectly promotes neurite outgrowth. J Neurosci. 16: 4673-83. 3. Yasumizu, R. <i>et al.</i> (1988) Development of donor-derived thymic lymphomas after allogeneic bone marrow transplantation in AKR/J mice. J Immunol. 141 (6): 2181-6. 4. Fabian, R.H. (1990) Uptake of antineuronal IgM by CNS neurons: comparison with antineuronal IgG. Neurology. 40 (3 Pt 1): 419-22. 5. Ogasawara, K. <i>et al.</i> (1990) Ia restriction specificity of KLH-specific T cells from allogeneic bone marrow chimeras is influenced by histocompatibility at the H-2 and minor histocompatibility loci. Microbiol Immunol. 34 (12): 1025-39. 6. Heinen, A. <i>et al.</i> (2015) Fingolimod induces the transition to a nerve regeneration promoting Schwann cell phenotype. Exp Neurol. 271: 25-35.

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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

12 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 IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgM (STAR138...) [Alk. Phos.](#)

Human Anti Mouse IgM (HCA040...) [FITC](#)

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