

## Monoclonal Antibody to CD90 - Purified

<b>Alternate names:</b>	CDw90, THY1, Thy-1, Thy-1 membrane glycoprotein
<b>Catalog No.:</b>	CL037P
<b>Quantity:</b>	0.25 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	CD90 (Thy1) antigen is a GPI linked glycoprotein member of the Immunoglobulin superfamily. It is expressed on murine T cells, thymocytes, neural cells, cells of granulocytic lineage, early hematopoietic progenitors, fibroblasts, neurons and Kupffer's cells. Thy1 may play a role in cell to cell or cell to ligand interactions during synaptogenesis and other events in the brain. It is found in most mouse strains except AKR/J, A, Thy1.1 and B6.PL (74NS) expressing Thy1.1
<b>Uniprot ID:</b>	<a href="#">P01831</a>
<b>NCBI:</b>	<a href="#">NP_033408.1</a>
<b>GeneID:</b>	<a href="#">21838</a>
<b>Host / Isotype:</b>	Mouse / IgM
<b>Clone:</b>	T11D7e
<b>Immunogen:</b>	Xenogeneic rat thymocytes. Spleen cells from immunised CBA mice were fused with cells of the mouse NS1 myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgM fraction <b>Purification:</b> Ammonium Sulphate Precipitation <b>Buffer System:</b> PBS <b>Preservatives:</b> 0.09% Sodium Azide
<b>Applications:</b>	<b>Cytotoxic Assays.</b> <b>Flow Cytometry:</b> Use 10 µl of 1/5 diluted antibody to label 10 <sup>6</sup> cells in 100 µl. This product is routinely tested in Flow Cytometry using Mouse thymocytes. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises Mouse and Rat CD90 also known as Thy1.1. Thy1.1 is a monomorphic determinant in rat but polymorphic in mice. Clone <i>T11D7e</i> reacts with Thy1.1 mice e.g. AKR and FVB mice, but <u>not</u> Thy1.2 mice such as CBA and BALB/c. Clone <i>T11D7e</i> is useful for removal of T lymphocytes from cell populations by complement mediated cytotoxicity. <b>Species:</b> Mouse and Rat. Other species not tested.

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Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)

**Storage:** Store the antibody undiluted at 2-8°C.  
**DO NOT FREEZE!**  
Shelf life: one year from despatch.

**General References:** 1. Lake, P. et al. (1979) Production and characterization of cytotoxic Thy-1 antibody - secreting hybrid cell lines. Detection of T cell subsets. *Eur. J. Immunol.* 9:875-886.

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