

## ARG23044 anti-CD90 / Thy 1 (Thy 1.1) antibody [OX-7] (PE)

Package: 100 tests  
Store at: 4°C

### Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [OX-7] recognizes CD90 / Thy 1 (Thy 1.1)
Tested Reactivity	Ms, Rat, Gpig, Rb
Tested Application	FACS
Specificity	The clone OX-7 recognizes CD90 also known as Thy1. Since Thy1 is a monomorphic determinant in rat but polymorphic in mice, clone OX-7 reacts rat Thy-1 and mice Thy-1.1 in Thy1.1 mice e.g. AKR and FVB, but not mice Thy1.2 in Thy1.2 mice such as CBA and BALB/c. The affinity of the Fab' of OX-7 for rat Thy1 is $3 \times 10^9 \text{m}^{-1}$ and for mouse Thy1.1 is $3 \times 10^8 \text{m}^{-1}$ .
Host	Mouse
Clonality	Monoclonal
Clone	OX-7
Isotype	IgG1
Target Name	CD90 / Thy 1 (Thy 1.1)
Species	Rat
Immunogen	Rat Thy 1 antigen.
Conjugation	PE
Alternate Names	Thy-1 membrane glycoprotein; Thy-1 antigen; CD antigen CD90; CDw90; CD90

### Application Instructions

Application table	Application	Dilution
	FACS	1:50 - 1:100

**Application Note** FACS: Use 10  $\mu\text{l}$  of the suggested working dilution to label  $10^6$  cells in 100  $\mu\text{l}$ .  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

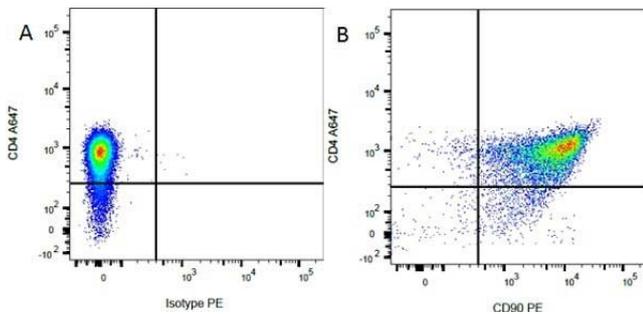
### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.09% Sodium azide, 1% BSA and 5% Sucrose
Preservative	0.09% Sodium azide
Stabilizer	1% BSA and 5% Sucrose
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

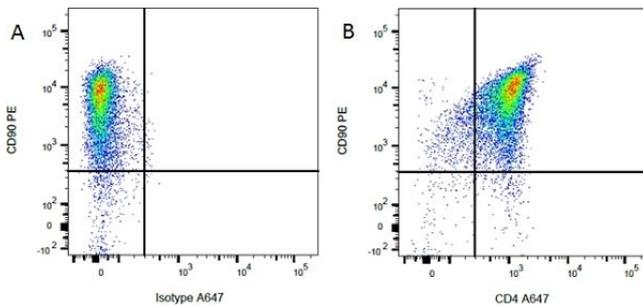
Gene Symbol	Thy1
Gene Full Name	Thy-1 cell surface antigen
Background	This gene encodes a cell surface glycoprotein and member of the immunoglobulin superfamily of proteins. The encoded protein is involved in cell adhesion and cell communication in numerous cell types, but particularly in cells of the immune and nervous systems. The encoded protein is widely used as a marker for hematopoietic stem cells. This gene may function as a tumor suppressor in nasopharyngeal carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]
Function	May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain. [UniProt]
Calculated Mw	18 kDa

## Images



ARG23044 anti-CD90 / Thy 1 (Thy 1.1) antibody [OX-7] (PE) FACS image

Flow Cytometry: Figure A. A647 conjugated Mouse anti Rat CD4 and PE conjugated Mouse IgG1 isotype control. Figure B. A647 conjugated Mouse anti Rat CD4 and ARG23044 anti-CD90 / Thy 1 (Thy 1.1) antibody [OX-7] (PE). All experiments performed on Rat thymocytes.



ARG23044 anti-CD90 / Thy 1 (Thy 1.1) antibody [OX-7] (PE) FACS image

Flow Cytometry: Figure A. ARG23044 anti-CD90 / Thy 1 (Thy 1.1) antibody [OX-7] (PE) and A647 conjugated Mouse IgG1 isotype control. Figure B. ARG23044 and A647 conjugated Mouse anti Rat CD4. All experiments performed on Rat thymocytes.