

ARG23043 anti-CD90 / Thy 1 (Thy 1.1) antibody [OX-7]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [OX-7] recognizes CD90 / Thy 1 (Thy 1.1)
Tested Reactivity	Ms, Rat, Gpig, Rb
Tested Application	FACS, ICC/IF, IHC-Fr, IP, WB
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	Un-conjugated
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
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IP	Assay-dependent
	WB	Assay-dependent

Application Note FACS: Use 10 µl of the suggested working dilution to label 10^6 cells in 100 µl.
* 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 G.
Buffer	PBS and 0.09% Sodium azide

Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other 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