ARG23042
anti-CD90 / Thy 1 (Thy 1.1) antibody [OX-7] (FITC)

Package: 50 µg
Store at: 4°C

Summary

Product Description	FITC-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 x 10^9m^-1 and for mouse Thy1.1 is 3 x 10^8m^-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	FITC
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 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, 0.09% Sodium azide and 1% BSA
Preservative	0.09% Sodium azide
Stabilizer	1% BSA
Concentration	0.1 mg/ml
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.
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