

## ARG20970 anti-CD90 / Thy 1 antibody [G7] (APC)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	APC-conjugated Rat Monoclonal antibody [G7] recognizes CD90 / Thy 1
Tested Reactivity	Ms
Tested Application	Cell-Act , FACS, IHC-P
Specificity	Mouse CD90 (Thy-1.1 and Thy1.2 alloantigens/CD90.1 and CD90.2). The clone G7 stimulates T-cell proliferation and IL-2 secretion via signaling through the T-cell receptor/CD3 complex. G7 has also been reported to promote apoptosis of thymocytes and CTL clones and to mediate adhesion of thymocytes to thymic stroma.
Host	Rat
Clonality	Monoclonal
Clone	G7
Isotype	IgG2c, kappa
Target Name	CD90 / Thy 1
Antigen Species	Mouse
Immunogen	Mouse T cell hybridoma C6/G8.
Conjugation	APC
Alternate Names	Thy-1 membrane glycoprotein; Thy-1 antigen; CD antigen CD90; CDw90; CD90

### Application Instructions

Application table	Application	Dilution
	Cell-Act	Assay-dependent
	FACS	< 0.2 µg/10 <sup>6</sup> cells
	IHC-P	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Calculated Mw	18 kDa	

### Properties

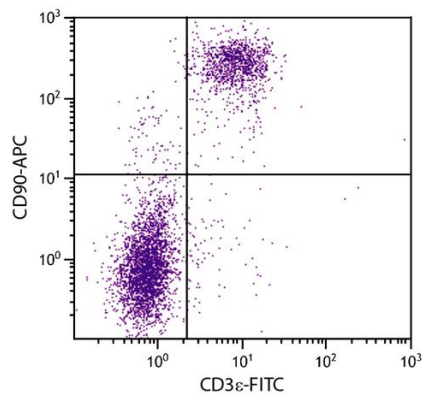
Form	Liquid
Buffer	PBS, 0.1% Sodium azide and Sucrose.
Preservative	0.1% Sodium azide
Stabilizer	Sucrose
Concentration	0.1 mg/ml

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

Database links	<a href="#">GeneID: 21838 Mouse</a> <a href="#">Swiss-port # P01831 Mouse</a>
Gene Symbol	THY1
Gene Full Name	thymus cell antigen 1, theta
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]

## Images



ARG20970 anti-CD90 / Thy 1 antibody [G7] (APC) FACS image

Flow Cytometry: BALB/c Mouse splenocytes stained with ARG20970 anti-CD90 / Thy 1 antibody [G7] (APC) and [ARG20817](#) anti-CD3ε antibody [C363.29B] (FITC).