

## ARG65399 anti-CD90 / Thy 1 antibody [5E10] (azide free)

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Azide free Mouse Monoclonal antibody [5E10] recognizes CD90 / Thy 1
Tested Reactivity	Hu, Dog, NHuPrm, Pig
Tested Application	CyTOF®-candidate, FACS, ICC/IF, IHC-Fr, IP, WB
Specificity	The clone 5E10 recognizes CD90/Thy-1, a GPI-anchored cell surface glycoprotein expressed predominantly on thymocytes, hematopoietic stem cells and neurons.
Host	Mouse
Clonality	Monoclonal
Clone	5E10
Isotype	IgG1
Target Name	CD90 / Thy 1
Immunogen	HEL erythroleukemia cells.
Conjugation	Un-conjugated
Alternate Names	Thy-1 membrane glycoprotein; Thy-1 antigen; CD antigen CD90; CDw90; CD90

### Application Instructions

Application table	Application	Dilution
	CyTOF®-candidate	Assay-dependent
	FACS	1 - 3 µg/ml
	ICC/IF	Assay-dependent
	IHC-Fr	5 - 10 µg/ml
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	* 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.
Purification Note	Preserved by filter sterilization.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)

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

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Database links	<a href="#">GeneID: 7070 Human</a> <a href="#">Swiss-port # P04216 Human</a>
Gene Symbol	THY1
Gene Full Name	Thy-1 cell surface antigen
Background	CD90 (Thy-1) is an 18-35 kDa GPI-anchored plasma membrane glycoprotein expressed in many cell types, such as in hematopoietic cells and neurons, connective tissues, various fibroblast and stromal cell lines, tumor endothelial cell lines and other. It is involved in T cell activation, cellular adhesion, proliferation and migration, neurite outgrowth, wound healing, apoptosis, and fibrosis. CD90 participates in multiple signaling cascades and its effects are tissue- and cell type-specific. It often functions as an important regulator of cell-cell and cell-matrix interactions.
Function	May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain. [UniProt]
Highlight	Related products: <a href="#">CD90 antibodies</a> ; <a href="#">Anti-Mouse IgG secondary antibodies</a> ; Related news: <a href="#">CyTOF-candidate Antibodies</a>
Research Area	Developmental Biology antibody; Immune System antibody; Neuroscience antibody
Calculated Mw	18 kDa