Datasheet for ABIN7519824

CD90 Protein (THY1) (rFc Tag)

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Overview

Quantity:	100 µg
Target:	CD90 (THY1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD90 protein is labelled with rFc Tag.

Product Details

Purpose:	Recombinant Human Thy-1/CD90 Protein
Sequence:	QKVTSLTACL VDQSLRLDCR HENTSSSPIQ YEFSLTRETK KHVLFGTVGV PEHTYRSRTN FTSKYNMKVL YLSAFTSKDE GTYTCALHHS GHSPPISSQN VTVLRDKLVK C
Specificity:	Gln20-Cys130
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	CD90 (THY1)
Alternative Name:	Thy-1/CD90 (THY1 Products)
Background:	Description: Thy-1 membrane glycoprotein, also known as Thy-1 antigen, CD90 and THY1, is a

Target Details

	cell membrane protein which contains 1 Ig-like V-type (immunoglobulin-like) domain. It is a glycophosphatidylinositol-linked glycoprotein expressed on the surface of neurons, thymocytes, subsets of fibroblasts, endothelial cells, mesangial cells and some hematopoietic cells. It has been identified on a variety of stem cells and at varying levels in non-lymphoid tissues such as on fibroblasts, brain cells, and activated endothelial cells. Thy-1 is evolutionarily conserved, developmentally regulated, and often has dramatic effects on cell phenotype. Thy-1 is a 25-37 kDa glycosylphosphatidylinositol (GPI)-anchored protein involved in T cell activation, neurite outgrowth, apoptosis, tumor suppression, wound healing, and fibrosis. To mediate these diverse effects, Thy-1 participates in multiple signaling cascades. Thy-1 is an important regulator of cell-cell and cell-matrix interactions, with important roles in nerve regeneration, metastasis, inflammation, and fibrosis. Name: CD90, CDw90,THY1,CDw90
Gene ID:	7070
UniProt:	P04216
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months.|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.