

ARG41919 anti-CD90 / Thy 1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD90 / Thy 1
Tested Reactivity	Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD90 / Thy 1
Species	Mouse
Immunogen	Recombinant protein corresponding to Q20-C131 of Mouse CD90 / Thy 1.
Conjugation	Un-conjugated
Alternate Names	Thy-1 membrane glycoprotein; Thy-1 antigen; CD antigen CD90; CDw90; CD90

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 27 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 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.

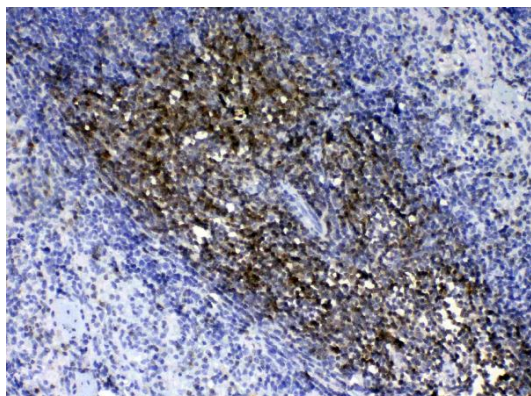
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

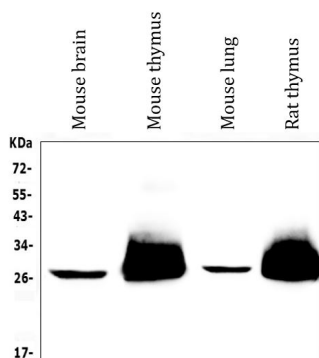
Gene Symbol	THY1
Gene Full Name	Thy-1 cell surface antigen
Background	This gene encodes a cell surface glycoprotein and member of the immunoglobulin superfamily of proteins. The encoded protein is involved in cell adhesion and cell communication in numerous cell types, but particularly in cells of the 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
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. [UniProt]

Images



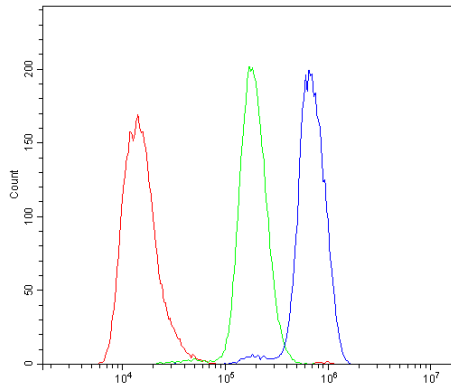
ARG41919 anti-CD90 / Thy 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse spleen tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41919 anti-CD90 / Thy 1 antibody at 1 µg/ml dilution, overnight at 4°C.



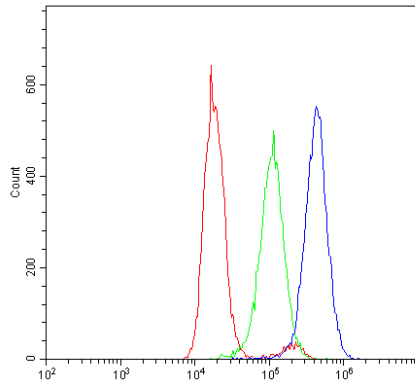
ARG41919 anti-CD90 / Thy 1 antibody WB image

Western blot: 50 µg of samples under reducing conditions. Mouse brain, Mouse thymus, Mouse lung and Rat thymus lysates stained with ARG41919 anti-CD90 / Thy 1 antibody at 0.5 µg/ml dilution, overnight at 4°C.



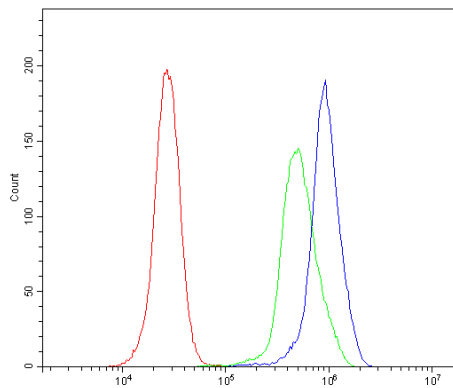
ARG41919 anti-CD90 / Thy 1 antibody FACS image

Flow Cytometry: YAC-1 cells were blocked with 10% normal goat serum and then stained with ARG41919 anti-CD90 / Thy 1 antibody (blue) at $1 \mu\text{g}/10^6$ cells for 30 min at 20°C , followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was Rabbit IgG ($1 \mu\text{g}/10^6$ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG41919 anti-CD90 / Thy 1 antibody FACS image

Flow Cytometry: Neuro-2a cells were blocked with 10% normal goat serum and then stained with ARG41919 anti-CD90 / Thy 1 antibody (blue) at $1 \mu\text{g}/10^6$ cells for 30 min at 20°C , followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was Rabbit IgG ($1 \mu\text{g}/10^6$ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG41919 anti-CD90 / Thy 1 antibody FACS image

Flow Cytometry: SP2-0 cells were blocked with 10% normal goat serum and then stained with ARG41919 anti-CD90 / Thy 1 antibody (blue) at $1 \mu\text{g}/10^6$ cells for 30 min at 20°C , followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was Rabbit IgG ($1 \mu\text{g}/10^6$ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.