

Datasheet for ABIN728038  
**anti-CD90 antibody (AA 31-120)**

6 Images

23 Publications

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## Overview

Quantity:	100 µL
Target:	CD90 (THY1)
Binding Specificity:	AA 31-120
Reactivity:	Human, Mouse, Rat, Cow, Dog, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD90 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from rat Thy-1
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat, Sheep
Predicted Reactivity:	Pig,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	CD90 (THY1)
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## Target Details

Alternative Name:	Thy-1 ( <a href="#">THY1 Products</a> )
Background:	Synonyms: Thy-1 membrane glycoprotein, Thy-1 antigen, CD90, Thy1, Thy-1 Background: May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.
Gene ID:	24832
UniProt:	<a href="#">P01830</a>
Pathways:	<a href="#">Cell-Cell Junction Organization</a>

## Application Details

Application Notes:	WB 1:300-5000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

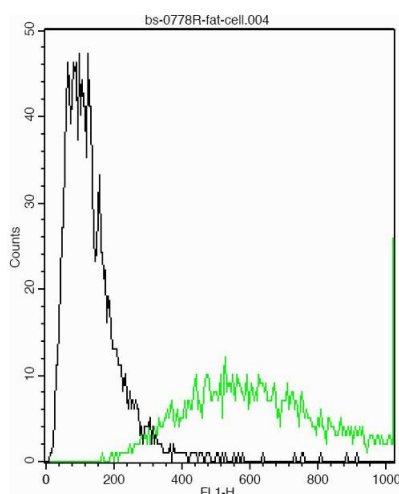
## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

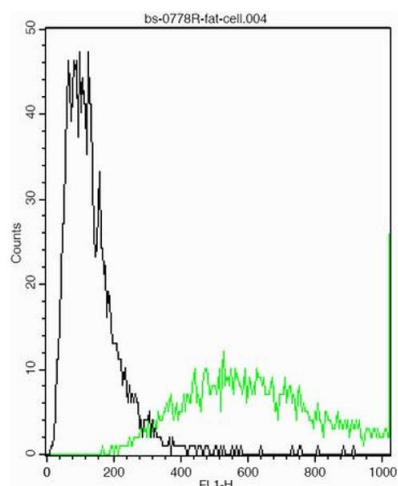
- Product cited in: Kazemzadeh, Mohammadpour, Madadi, Babakhani, Shabani, Khanehzad: "Melatonin in cryopreservation media improves transplantation efficiency of frozen-thawed spermatogonial stem cells into testes of azoospermic mice." in: **Stem cell research & therapy**, Vol. 13, Issue 1, pp. 346, (2022) ([PubMed](#)).
- Fu, Pang, Zhu, Wang, Leng, Chen: "Yi Guan Jian decoction may enhance hepatic differentiation of bone marrow-derived mesenchymal stem cells via SDF-1 in vitro." in: **Molecular medicine reports**, Vol. 16, Issue 3, pp. 2511-2521, (2018) ([PubMed](#)).
- Zhu, Meng, Wang, Wang, Zhang, Li, Li, Tan, Yang, Huang: "Effects of neuritin on the differentiation of bone marrow-derived mesenchymal stem cells into neuron-like cells." in: **Molecular medicine reports**, Vol. 16, Issue 3, pp. 3201-3207, (2018) ([PubMed](#)).
- Ma, Liu, Li, Lu, Bai, Fan, Guan, Guo: "Cryopreservation and multipotential characteristics evaluation of a novel type of mesenchymal stem cells derived from Small Tailed Han Sheep fetal lung tissue." in: **Cryobiology**, Vol. 75, pp. 7-14, (2017) ([PubMed](#)).
- Long, Luo, Wang, Bates, Shetty: "Mash1-dependent Notch Signaling Pathway Regulates GABAergic Neuron-Like Differentiation from Bone Marrow-Derived Mesenchymal Stem Cells." in: **Aging and disease**, Vol. 8, Issue 3, pp. 301-313, (2017) ([PubMed](#)).
- There are more publications referencing this product on: [Product page](#)

## Images



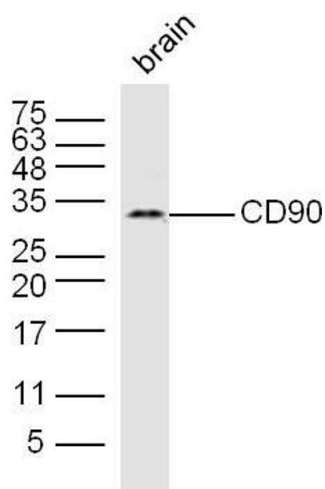
### Flow Cytometry

**Image 1.** Sheep fat cells stained with Anti-Thy-1 CD90 Thy1.1 Polyclonal Antibody, FITC conjugated (ABIN728038-FITC) 1: 100 for 40min at 37C. Black line is negative control.



### Flow Cytometry

**Image 2.** Sheep fat cells stained with Anti-Thy-1/CD90/Thy1.1 Polyclonal Antibody, FITC conjugated (ABIN728038) 1:100 for 40min at 37°C. Black line is negative control.



**Image 3.** Mouse brain lysates probed with CD90 Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN728038.