

# Product Datasheet

## CD90/Thy1 Antibody (G7) - Azide and BSA Free NBP1-28031

Unit Size: 0.5 mg

Store at 4C. Do not freeze.

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Updated 10/23/2024 v.20.1

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**NBP1-28031**

CD90/Thy1 Antibody (G7) - Azide and BSA Free

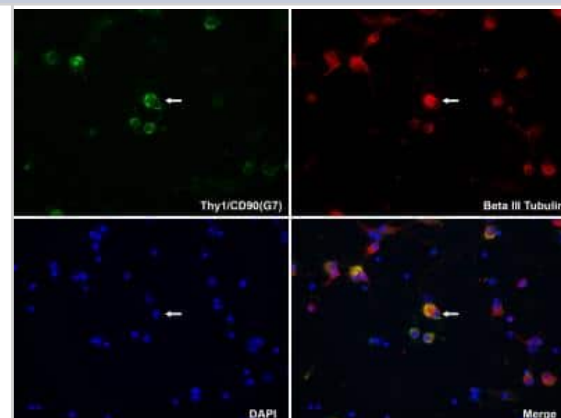
Product Information	
Unit Size	0.5 mg
Concentration	0.5 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	G7
Preservative	No Preservative
Isotype	IgG2c Kappa
Purity	Protein A or G purified
Buffer	0.1M BBS (pH 8.2)

Product Description	
Host	Rat
Gene ID	7070
Gene Symbol	THY1
Species	Mouse
Marker	Mesenchymal Cell Marker
Specificity/Sensitivity	Mouse CD90 (Thy-1.1 & Thy-1.2 alloantigens/Thy-1 epitope region A); Mr 28-32 kDa
Immunogen	Mouse T cell hybridoma C6/G8

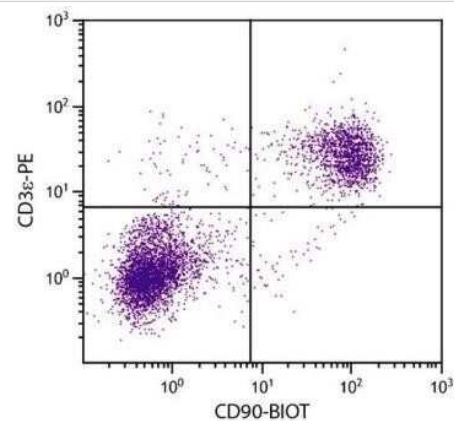
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, In vitro assay
Recommended Dilutions	Flow Cytometry 1:10 - 1:1000, Immunocytochemistry/ Immunofluorescence Validated from a verified customer review, In vitro assay Reported in (PMID: 2893823)

**Images**

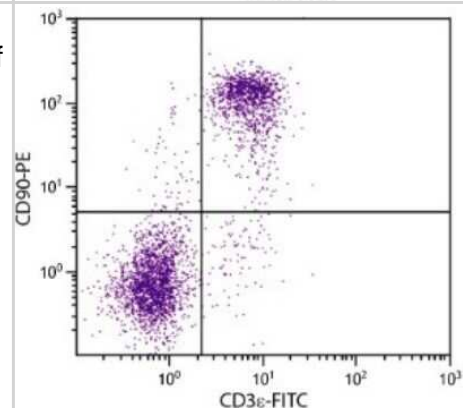
Immunocytochemistry/Immunofluorescence: CD90/Thy1 Antibody (G7) [NBP1-28031] - Primary cortical neurons isolated from postnatal day 7 CD1 mice. Primary antibody incubation overnight at 1:500. Alexa Fluor secondary antibodies at 1:500. Image from a verified customer review.



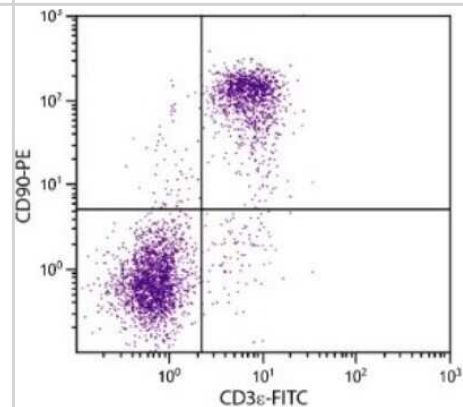
Flow Cytometry: CD90/Thy1 Antibody (G7) [NBP1-28031] - Flow Cytometry: CD90/Thy1 Antibody (G7) [Biotin] [NBP1-28033] - BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD90-BIOT and Rat Anti-Mouse CD3 epsilon-PE followed by Streptavidin-FITC. Image using the Biotin form of this antibody.



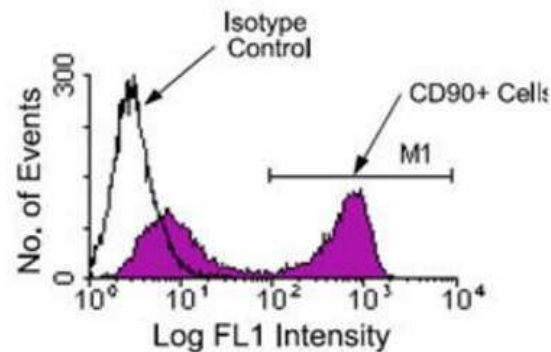
Flow Cytometry: CD90/Thy1 Antibody (G7) [NBP1-28031] - Analysis using the Allophycocyanin conjugate of NBP1-28031. Multiple staining of BALB/c splenocytes.



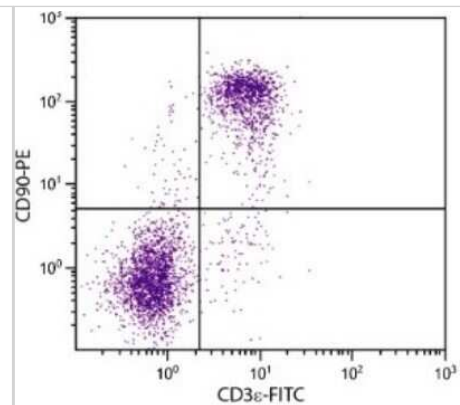
Flow Cytometry: CD90/Thy1 Antibody (G7) [NBP1-28031] - Analysis using the Biotin conjugate of NBP1-28031. Multiple staining of BALB/c splenocytes.



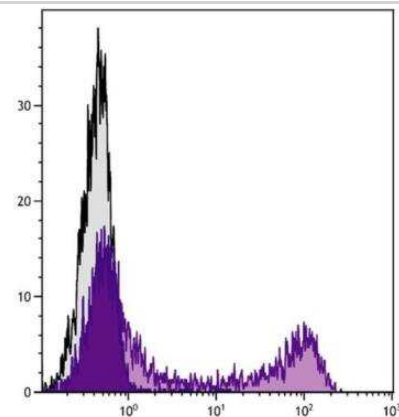
Flow Cytometry: CD90/Thy1 Antibody (G7) [NBP1-28031] - Analysis using the FITC conjugate of NBP1-28031. Staining of 1 ug/1<sup>6</sup> BALB/c mesenteric lymph node cells with either rat IgG2c-FITC (as a negative control) or rat anti-mouse CD90-FITC.



Flow Cytometry: CD90/Thy1 Antibody (G7) [NBP1-28031] - Analysis using the PE conjugate of NBP1-28031. Multiple staining of BALB/c splenocytes.



CD90/Thy1 Antibody (G7) [NBP1-28031] - BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD90-UNLB followed by Mouse Anti-Rat IgG2c-FITC.



## Publications

Li Q, Siri T et al. Developmental Potential and Plasticity of Olfactory Epithelium Stem Cells Revealed by Heterotopic Grafting in the Adult Brain. *Stem Cell Reports* 2020-04-14 [PMID: 32243847] (IF/IHC, Mouse)

Nasti A, Sakai Y, Seki A et al. The CD45(+) fraction in murine adipose tissue derived stromal cells harbors immune-inhibitory inflammatory cells *Eur. J. Immunol.* 2017-09-11 [PMID: 28891216] (Mouse)

Hueber, AO, G Raposo, M Pierres, HT He. Thy-1 triggers mouse thymocyte apoptosis through a bcl-2-resistant mechanism *J Exp Med* 1994-03-01 [PMID: 7906706]

### Details:

This citation used the Biotin version of this antibody.

Gunter, K, T Malek, E Shevach. T cell-activating properties of an anti-Thy-1 monoclonal antibody, possible analogy to OKT3/Leu-4 *J Exp Med* 1984-03-01 [PMID: 6142077] (In vitro)

### Details:

This citation used the Biotin version of this antibody.

Tentori, L, DM Pardoll, JC Zuniga et al. Proliferation and production of IL-2 and B cell stimulatory factor 1/IL-4 in early fetal thymocytes by activation through Thy-1 and CD3 *J Immunol* 1988-02-01 [PMID: 2893823] (In vitro)

### Details:

This citation used the Biotin version of this antibody.

Sugiyama, E, A Cantagrel, T Reno et al. Selection of T cell receptor expression mutants through the functionally linked Ly-6A *Cell Immunol* 1990-10-01 [PMID: 1976441] (In vitro)

### Details:

This citation used the Biotin version of this antibody.

Ucker, DS, J Meyers, PS Obermiller. Activation-driven T cell death II Quantitative differences alone distinguish stimuli triggering nontransformed T cell proliferation or death *J Immunol* 1992-09-01 [PMID: 1380534]

### Details:

This citation used the Biotin version of this antibody.





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### **Products Related to NBP1-28031**

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HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP2-31387	Rat IgG2c Kappa Isotype Control (RG2cK)
NBP1-28033-500ug	CD90/Thy1 Antibody (G7) [Biotin]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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