

# CD90.2 (Thy-1.2) Monoclonal Antibody (30-H12), eBioscience™

## Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Rat, Mouse
Host/Isotype	Rat / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	30-H12
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_467382

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	-	3 Publications
Flow Cytometry (Flow)	0.125 µg/test	12 Publications
Functional Assay (FN)	Assay-Dependent	1 Publication
Miscellaneous PubMed (Misc)	-	2 Publications

## Product Specific Information

**Description:** The 30-H12 monoclonal antibody reacts with mouse CD90.2, also known as Thy-1.2, a GPI-linked membrane molecule. CD90.2 is expressed by mouse thymocytes and mature T cells as well as neurons in CD90.2-expressing mouse strains. These strains include BALB/c, CBA, C3H, C57BL/6, C58/J, SJL and others. Cells from CD90.1-expressing strains including PL and AKR do not stain with 30-H12. CD90 is involved in regulation of adhesion and signal transduction by T cells.

**Applications Reported:** The 30-H12 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections. It has also been reported in in vivo and in vitro depletion. (Please use Functional Grade purified 30-H12, cat. 16-0903, in functional assays.).

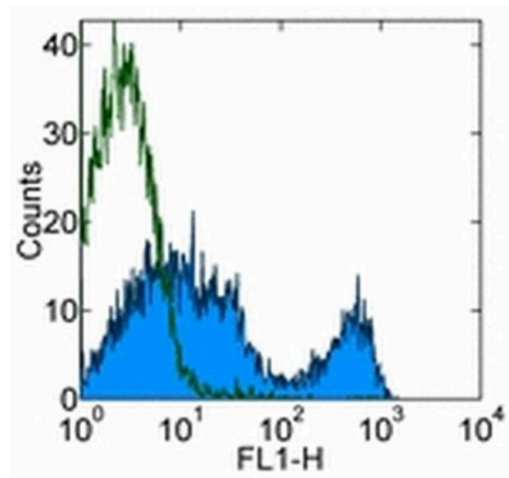
**Applications Tested:** The 30-H12 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Purity:** Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

**Product Images For CD90.2 (Thy-1.2) Monoclonal Antibody (30-H12), eBioscience™**



**CD90.2 (Thy-1.2) Antibody (14-0903-82) in Flow**  
Staining of BALB/c splenocytes with 0.06 µg of Rat IgG2a K Isotype Control Purified (Product # 14-4031-82) (open histogram) or 0.06 µg of Anti-Mouse CD90-2 (Thy-1-2) Purified (filled histogram) followed by Anti-Rat IgG FITC (Product # 11-4811-85). Cells in the lymphocyte gate were used for analysis.

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Immunohistochemistry (2)

<p>Nature cell biology</p> <p><b>Denervation-activated STAT3-IL-6 signalling in fibro-adipogenic progenitors promotes myofibres atrophy and fibrosis.</b></p> <p>"Published figure using CD90.2 (Thy-1.2) monoclonal antibody (Product # 14-0903-82) in Immunohistochemistry"</p> <p>Authors: Madaro L,Passafaro M,Sala D,Etzaniz U,Lugarini F,Proietti D,Alfonsi MV,Nicoletti C,Gatto S,De Bardi M,Rojas-García R,Giordani L,Marinelli S,Pagliarini V,Sette C,Sacco A,Puri PL</p>	<p>Year 2018</p>
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<p>Nature communications</p> <p><b>A quiescent cell population replenishes mesenchymal stem cells to drive accelerated growth in mouse incisors.</b></p> <p>"Published figure using CD90.2 (Thy-1.2) monoclonal antibody (Product # 14-0903-82) in Immunofluorescence"</p> <p>Authors: An Z,Sabalic M,Bloomquist RF,Fowler TE,Streelman T,Sharpe PT</p>	<p>Year 2018</p>
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Immunocytochemistry (3)

<p>Nature cell biology</p> <p><b>Denervation-activated STAT3-IL-6 signalling in fibro-adipogenic progenitors promotes myofibres atrophy and fibrosis.</b></p> <p>"Published figure using CD90.2 (Thy-1.2) monoclonal antibody (Product # 14-0903-82) in Immunohistochemistry"</p> <p>Authors: Madaro L,Passafaro M,Sala D,Etzaniz U,Lugarini F,Proietti D,Alfonsi MV,Nicoletti C,Gatto S,De Bardi M,Rojas-García R,Giordani L,Marinelli S,Pagliarini V,Sette C,Sacco A,Puri PL</p>	<p>Year 2018</p>
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- Flow (12)
- FN (1)
- Misc (2)

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