

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	30-H12
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465779

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	18 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.

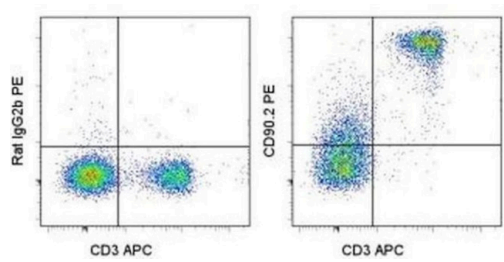
Applications Reported: The 30-H12 antibody has been reported for use in flow cytometric analysis.

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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD90.2 (Thy-1.2) Antibody (12-0903-82) in Flow
Staining of C57Bl/6 splenocytes with Anti-Mouse CD3e APC (Product # 17-0031-82) and 0.06 µg of Rat IgG2b kappa Isotype Control PE (Product # 12-4031-82) (left) or 0.06 µg of Anti-Mouse CD90.2 (Thy-1.2) PE (right). Cells in the lymphocyte gate were used for analysis.

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18 References

Flow Cytometry (18)

Experimental and therapeutic medicine	Year 2021
Bcl-xL mutant promotes cartilage differentiation of BMSCs by upregulating TGF-/BMP expression levels.	
"Published figure using CD90.2 (Thy-1.2) monoclonal antibody (Product # 12-0903-82) in Flow Cytometry"	
Authors: Xiao K,Yang L,Xie W,Gao X,Huang R,Xie M	
Stem cell research & therapy	Year 2021
Adipose-derived stem cells therapy effectively attenuates PM_{2.5}-induced lung injury.	Species Mouse
"12-0903-82 was used in Flow Cytometry to suggest that ADSC transplantation may be a potential therapeutic approach for severe air pollution-associated diseases."	
Authors: Gao J,Yuan J,Liu Q,Wang Y,Wang H,Chen Y,Ding W, Ji G,Lu Z	

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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