

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

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotope	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	30-H12
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage Conditions	4° C
RRID	AB_469033

Applications	Tested	Dilution	Published
Immunofluorescence (IF)	-		1 Publication
Flow Cytometry (Flow)	✓	0.125 µg/test	4 Publications
Functional Assay (FN)	✓	Assay-Dependent	1 Publication
Miscellaneous PubMed (Misc)	-		1 Publication

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. It has also been reported in vivo and in vitro depletion.

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.

Endotoxin: Less than 0.001 ng/ug antibody as determined by the LAL assay.

Storage and handling: Use in a sterile environment.

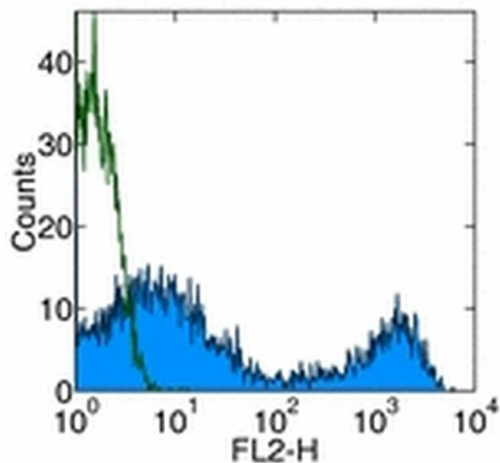
Filtration: 0.2 µm post-manufacturing filtered.

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

Endotoxin Level: Less than 0.001 ng/µg antibody, as determined by LAL assay.

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

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



CD90.2 (Thy-1.2) Antibody (16-0903-81) in Flow

Surface staining of mouse splenocytes with Anti-Mouse CD90-2 (Thy-1-2) PE. Autofluorescence is shown via open histogram. Total viable cells were used for analysis.

[View more figures on thermofisher.com](http://thermofisher.com)

7 References

Immunofluorescence (1)

Nature communications

A quiescent cell population replenishes mesenchymal stem cells to drive accelerated growth in mouse incisors.

"Published figure using CD90.2 (Thy-1.2) monoclonal antibody (Product # 16-0903-82) in Immunofluorescence"

Authors: An Z,Sabalic M,Bloomquist RF,Fowler TE,Streelman T,Sharpe PT

Species

Not Applicable

Dilution

Not Cited

Year

2018

Flow Cytometry (4)

Nature communications

WASH maintains NKp46⁺ ILC3 cells by promoting AHR expression.

"16-0903 was used in Flow cytometry/Cell sorting to study how WASH-mediated AHR expression has a critical function in the maintenance of NKp46(+) ILC3s."

Authors: Xia P,Liu J,Wang S,Ye B,Du Y,Xiong Z,Han ZG,Tong L,Fan Z

Species

Mouse

Dilution

1:100

Year

2017

PLoS pathogens

Low doses of imatinib induce myelopoiesis and enhance host anti-microbial immunity.

"16-0903 was used in Flow cytometry/Cell sorting to demonstrate that potentiation of the immune response by imatinib may facilitate clearance of diverse microbial pathogens."

Authors: Napier RJ,Norris BA,Swimm A,Giver CR,Harris WA,Laval J,Napier BA,Patel G,Crump R,Peng Z,Bornmann W,Pulendran B,Buller RM,Weiss DS,Tirouvanziam R,Waller EK,Kalman D

Species

Human
Mouse

Dilution

Not Cited
Not Cited

Year

2015

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

Functional Assay (1)

Mucosal immunology

Opposing consequences of IL-23 signaling mediated by innate and adaptive cells in chemically induced colitis in mice.

"16-0903 was used in Functional assays to investigate the consequence of IL-23R deletion in DSS-induced colitis."

Authors: Cox JH,Kljavin NM,Ota N,Leonard J,Roose-Girma M,Diehl L,Ouyang W,Ghilardi N

Species

Mouse

Dilution

Not Cited

Year

2012

More applications with references on thermofisher.com

Misc (1)

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