

CD90.1 (Thy-1.1) Monoclonal Antibody (HIS51), PE, eBioscience™

Product Details

Size	50 µg
Species Reactivity	Mouse, Rat
Published Species	Rat, Mouse, Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIS51
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_465773

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	0.06 µg/test	56 Publications

Product Specific Information

Description: The HIS51 monoclonal antibody reacts with rat CD90 and cross-reacts with mouse CD90.1, a GPI-linked membrane molecule. In the rat, CD90 is expressed by hematopoietic stem cells, immature B cells, thymocytes, recent thymic emigrants, neurons, inflamed endothelia and other cell types. In the CD90.1-expressing mouse strains, PL and AKR, CD90 is expressed by early hematopoietic cells in the bone marrow, thymocytes and mature T cells.

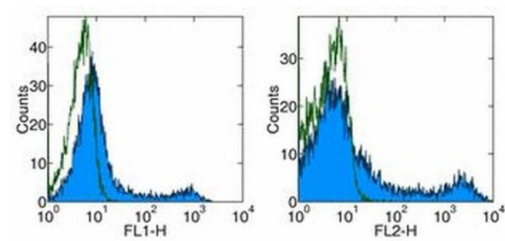
Applications Reported: The HIS51 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The HIS51 antibody has been tested by flow cytometric analysis of rat thymocyte and splenocyte suspensions. This can be used at less than or equal to 0.06 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 CD90.1 (Thy-1.1) Monoclonal Antibody (HIS51), PE, eBioscience™



CD90.1 (Thy-1.1) Antibody (12-0900-81) in Flow
Staining of rat splenocytes with Mouse IgG2a kappa Isotype Control FITC (Product # 11-4724-42) (left, open histogram) or Mouse IgG2a kappa Isotype Control PE (Product # 12-4724-81) (right, open histogram) and Anti-Mouse/Rat CD90.1 (Thy-1.1) FITC (Product # 11-0902-82) (left, filled histogram) or 0.03 µg of Anti-Mouse/Rat CD90.1 (Thy-1.1) PE (right, filled histogram). Total viable cells were used for analysis.

View more figures on thermofisher.com

57 References

Immunohistochemistry (1)

Clinical cancer research : an official journal of the American Association for Cancer Research

Heterodimeric IL15 Treatment Enhances Tumor Infiltration, Persistence, and Effector Functions of Adoptively Transferred Tumor-specific T Cells in the Absence of Lymphodepletion.

"12-0900 was used in Immunohistochemistry to study the effects of the combination regimen ACT + hetIL15 in the absence of lymphodepletion, by transferring melanoma-specific Pmel-1 T cells into B16 melanoma-bearing mice."

Authors: Ng SSM,Nagy BA,Jensen SM,Hu X,Alicea C,Fox BA,Felber BK,Bergamaschi C,Pavlikis GN

Year
2017

Species
Mouse

Dilution
1:50

Flow Cytometry (56)

Heliyon

Single-cell transcriptomics reveals variable trajectories of CSPCs in the progression of osteoarthritis.

"Published figure using CD90.1 (Thy-1.1) monoclonal antibody (Product # 12-0900-81) in Flow Cytometry"

Authors: Qi L,Wang J,Chen X,Ding Y,Ling B,Wang W,Xu J,Xue Z

Year
2022

Neural regeneration research

Sustained release of exosomes loaded into polydopamine-modified chitin conduits promotes peripheral nerve regeneration in rats.

"Published figure using CD90.1 (Thy-1.1) monoclonal antibody (Product # 12-0900-81) in Flow Cytometry"

Authors: Li C,Liu SY,Zhang M,Pi W,Wang B,Li QC,Lu CF,Zhang PX

Year
2022

View more Flow references on thermofisher.com

More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.