

CD90.1 (Thy-1.1) Monoclonal Antibody (HIS51), Biotin, 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), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIS51
Conjugate	Biotin
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, store in dark, DO NOT FREEZE!
RRID	AB_466530

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	4 Publications
Immunocytochemistry (ICC/IF)	-	4 Publications
Flow Cytometry (Flow)	0.06 µg/test	41 Publications

Product Specific Information

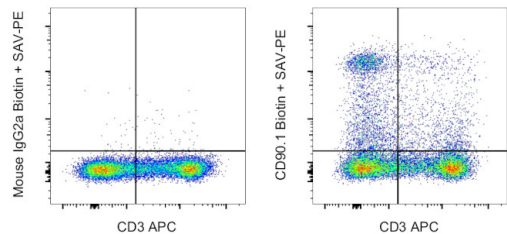
Description: The HIS51 monoclonal antibody reacts with rat CD90 and cross-reacts with mouse CD90.1, a GPI-linked membrane molecule. In the rat, CD90 is expressed by hematopoietic stem cells, immature B cells, thymocytes, recent thymic emigrants, neurons, inflamed endothelia and other cell types. In the 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 thymocytes and splenocytes. 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.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD90.1 (Thy-1.1) Monoclonal Antibody (HIS51), Biotin, eBioscience™



CD90.1 (Thy-1.1) Antibody (13-0900-81) in Flow
Wistar rat splenocytes were stained with CD3 Monoclonal Antibody, APC (Product # 17-0030-82) and 0.03 µg of Mouse IgG2a kappa Isotype Control, Biotin (Product # 13-4724-85) (left) or 0.03 µg of CD90.1 (Thy-1.1) Monoclonal Antibody, Biotin (right) followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphocyte gate were used for analysis.

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Immunohistochemistry (3)

<p>Stem cell research & therapy</p> <p>Bone marrow-derived mesenchymal stem cells combined with gonadotropin therapy restore postnatal oogenesis of chemo-ablated ovaries in rats via enhancing very small embryonic-like stem cells.</p> <p>"Published figure using CD90.1 (Thy-1.1) monoclonal antibody (Product # 13-0900-81) in Immunohistochemistry"</p> <p>Authors: Ebrahim N,AI Saihati HA,Shaman A,Dessouky AA,Farid AS,Hussien NI,Mostafa O,Seleem Y,Sabry D,Saad AS,Emam HT,Hassouna A,Badr OAM,Saffaf BA,Forsyth NR,Salim RF</p>	<p>Year 2021</p>
<p>Frontiers in endocrinology</p> <p>Aldosterone Blocks Rat Stem Leydig Cell Development <i>In Vitro</i>.</p> <p>"Published figure using CD90.1 (Thy-1.1) monoclonal antibody (Product # 13-0900-81) in Immunofluorescence"</p> <p>Authors: Zhang J,Huang B,Hu G,Zhan X,Xie T,Li S,Zhang X,Li H,Ge RS,Xu Y</p>	<p>Year 2019</p>

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Immunohistochemistry (Frozen) (4)

<p>The Journal of experimental medicine</p> <p>The G protein-coupled receptor P2RY8 and follicular dendritic cells promote germinal center confinement of B cells, whereas S1PR3 can contribute to their dissemination.</p> <p>"13-0900 was used in Immunohistochemistry to study factors governing B cell migration to and from germinal centres."</p> <p>Authors: Muppidi JR,Lu E,Cyster JG</p>	<p>Year 2015</p> <p>Species Mouse</p>
<p>Cancer immunology research</p> <p>CD8+ T-cell responses rapidly select for antigen-negative tumor cells in the prostate.</p> <p>"13-0900 was used in Immunohistochemistry on frozen tissues to study antigen-negative tumour cells and their long-term implications for autologous adoptive T cell therapy."</p> <p>Authors: Bak SP,Barnkob MS,Wittrup KD,Chen J</p>	<p>Year 2013</p> <p>Species Mouse</p>

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More applications with references on thermofisher.cn

ICC/IF (4) Flow (41)

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