

CD90 (Thy-1) Monoclonal Antibody (eBio5E10 (5E10)), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio5E10 (5E10)
Conjugate	FITC
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10668828

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (1 µg)/test	30 Publications
Immunocytochemistry (ICC)	-	1 Publication
Immunofluorescence (IF)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication

Product Specific Information

Description: The eBio5E10 monoclonal antibody reacts with human CD90, also known as Thy-1 (thymus cell antigen-1). CD90 is a 25-35 kD receptor expressed on thymocytes, CD34+ prothymocytes, hematopoietic stem cells, neurons, a small subset of human fetal liver cells, cord blood cells, and bone marrow cells. CD90 is expressed on a subset of immature, CD34+ cells and a distinct subset of mature CD34- cells that are CD3+CD4+. The CD90+CD34+ population is enriched for cells capable of long-term culture. CD90 is involved in regulation of adhesion and signal transduction by T cells.

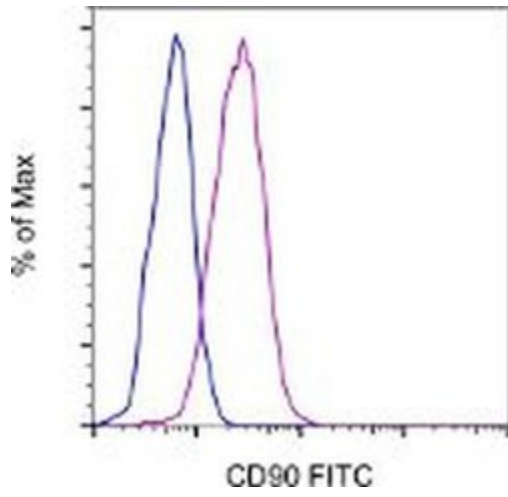
Applications Reported: This eBio5E10 (5E10) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio5E10 (5E10) antibody has been pre-titrated and tested by flow cytometric analysis of human erythroleukemia (HEL) cells. This can be used at 5 µL (1 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.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD90 (Thy-1) Monoclonal Antibody (eBio5E10 (5E10)), FITC, eBioscience™



CD90 (Thy-1) Antibody (11-0909-42) in Flow

Staining of HEL cells with Mouse IgG1 K Isotype Control FITC (Product # 11-4714-42) (blue histogram) or Anti-Human CD90 (Thy-1) FITC (purple histogram). Total viable cells were used for analysis.

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Flow Cytometry (30)

Nephron

Spontaneous Extracellular Matrix Accumulation in a Human in vitro Model of Renal Fibrosis Is Mediated by V Integrins.

"11-0909 was used in Flow cytometry/Cell sorting to test the hypothesis that integrins are pro-fibrotic via regulation of functional interactions between tubular epithelial cells and renal fibroblasts."

Authors: Bon H,Hales P,Lumb S,Holdsworth G,Johnson T,Qureshi O,Twomey BM

Species
Human

Dilution
Not Cited

Year
2020

Development (Cambridge, England)

BNC1 regulates cell heterogeneity in human pluripotent stem cell-derived epicardium.

"Published figure using CD90 (Thy-1) monoclonal antibody (Product # 11-0909-42) in Flow Cytometry"

Authors: Gambardella L,McManus SA,Moignard V,Sebukhan D,Delaune A,Andrews S,Bernard WG,Morrison MA,Riley PR,Göttgens B,Gambardella Le Novère N,Sinha S

Species
Not Applicable

Dilution
Not Cited

Year
2019

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

Immunocytochemistry (1)

Development (Cambridge, England)

BNC1 regulates cell heterogeneity in human pluripotent stem cell-derived epicardium.

"Published figure using CD90 (Thy-1) monoclonal antibody (Product # 11-0909-42) in Flow Cytometry"

Authors: Gambardella L,McManus SA,Moignard V,Sebukhan D,Delaune A,Andrews S,Bernard WG,Morrison MA,Riley PR,Göttgens B,Gambardella Le Novère N,Sinha S

Species
Not Applicable

Dilution
Not Cited

Year
2019

Immunofluorescence (1)

Development (Cambridge, England)

BNC1 regulates cell heterogeneity in human pluripotent stem cell-derived epicardium.

"Published figure using CD90 (Thy-1) monoclonal antibody (Product # 11-0909-42) in Flow Cytometry"

Authors: Gambardella L,McManus SA,Moignard V,Sebukhan D,Delaune A,Andrews S,Bernard WG,Morrison MA,Riley PR,Göttgens B,Gambardella Le Novère N,Sinha S

Species
Not Applicable

Dilution
Not Cited

Year
2019

More applications with references on thermofisher.com

IHC (1)

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