

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

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotype	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
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	5 µL (1 µg)/test	44 Publications

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.

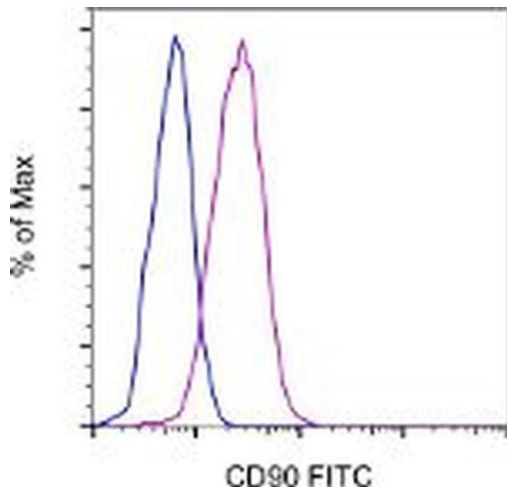
Applications Reported: This eBio5E10 (5E10) antibody has been reported for use in flow cytometric analysis.

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.

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

47 References

Immunohistochemistry (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

Immunocytochemistry (2)

Cell biology international

Explant culture: A relevant tool for the study of telocytes.

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

Authors: Sanches BDA, Maldarine JDS, Tamarindo GH, Da Silva ADT, Lima MLD, Rahal P, Góes RM, Taboga SR, Carvalho HF

Species
Not Applicable

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

Flow Cytometry (44)

Iranian endodontic journal

Effect of MTA and CEM on Mineralization-Associated Gene Expression in Stem Cells Derived from Apical Papilla.

"11-0909 was used in Flow cytometry/Cell sorting to assess the effect of mineral trioxide aggregate and calcium-enriched mixture cement on odontogenic differentiation and mineralisation of stem cells."

Authors: Hajizadeh N, Madani ZS, Zabihi E, Golpour M, Zahedpasha A, Mohammadnia M

Species
Human

Dilution
Not Cited

Year
2022

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

More applications with references on thermofisher.com

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