

CD105 (Endoglin) Monoclonal Antibody (MJ7/18), APC, eBioscience™

Product Details	
Size	100 µg
Species	Mouse
Published Species	Artificial Control, Mouse
Expression System	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MJ7/18
Conjugate	APC
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2573155

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	11 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

Description: The MJ7/18 monoclonal antibody reacts with the mouse CD105 molecule, also known as Endoglin. This 90 kDa disulfide-linked homodimer is expressed by vascular endothelial cells. It is suggested that CD105 functions in adhesion and embryonic angiogenesis.

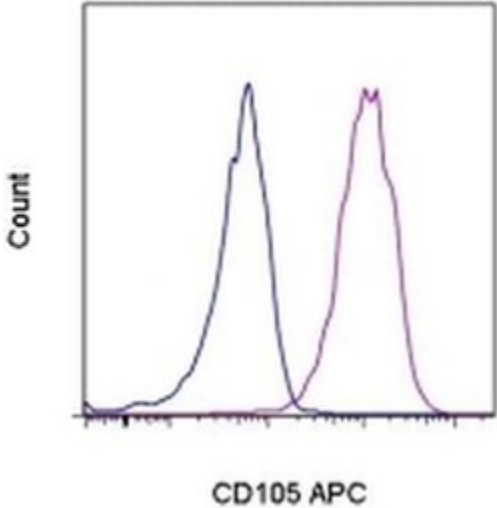
Applications Reported: This MJ7/18 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This MJ7/18 antibody has been tested by flow cytometric analysis of bEnd.3 cells. 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.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD105 (Endoglin) Monoclonal Antibody (MJ7/18), APC, eBioscience™



CD105 (Endoglin) Antibody (17-1051-82) in Flow
Staining of bEnd-3 cells with 0.06 µg of Rat IgG2a K Isotype Control APC (Product # 17-4321-81) (blue histogram) or 0.06 µg of Anti-Mouse CD105 (Endoglin) APC (purple histogram). Total viable cells were used for analysis.

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

14 References

Flow Cytometry (11)

Nature communications

The microRNAs miR-204 and miR-211 maintain joint homeostasis and protect against osteoarthritis progression.

"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 17-1051-82) in Flow Cytometry"

Authors: Huang J,Zhao L,Fan Y,Liao L,Ma PX,Xiao G,Chen D

Species
Artificial Control

Dilution
Not Cited

Year
2019

The Journal of clinical investigation

Targeting compensatory MEK/ERK activation increases JAK inhibitor efficacy in myeloproliferative neoplasms.

"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 17-1051-82) in Flow Cytometry"

Authors: Stivala S,Codilupi T,Brkic S,Baerenwaldt A,Ghosh N,Hao-Shen H,Dirnhofer S,Dettmer MS,Simillion C,Kaufmann BA,Chiu S,Keller M,Kleppe M,Hilpert M,Buser AS,Passweg JR,Radimerski T,Skoda RC,Levine RL,Meyer SC

Species
Artificial Control

Dilution
Not Cited

Year
2019

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

Miscellaneous PubMed (1)

Scientific reports

Alleviation of skin inflammation after Lin(-) cell transplantation correlates with their differentiation into myeloid-derived suppressor cells.

"17-1051 was used in Magnetic cell separation to study the migration, expansion and differentiation of hematopoietic stem cells in response to inflammation following HSC transplantation."

Authors: Jeong Ryu S,Ju JM,Kim W,Bum Kim M,Hee Oh K,Sup Lee D,Lee H,Eun Oh J,Soo Park K,Young Choi E

Species
Mouse

Dilution
Not Cited

Year
2015

Immunohistochemistry (Frozen) (2)

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

Monitoring response to anticancer therapy by targeting microbubbles to tumor vasculature.

Authors: Korpanty G,Carbon JG,Grayburn PA,Fleming JB,Brekken RA

Species
Not Applicable

Dilution
Not Cited

Year
2007

More applications with references on thermofisher.com

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