

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

Product Details	
Size	100 µg
Species	Mouse
Published Species	Artificial Control, Mouse, Human, Horse
Expression System	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MJ7/18
Conjugate	PE
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_657524

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	41 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunohistochemistry (IHC)	-	1 Publication
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.

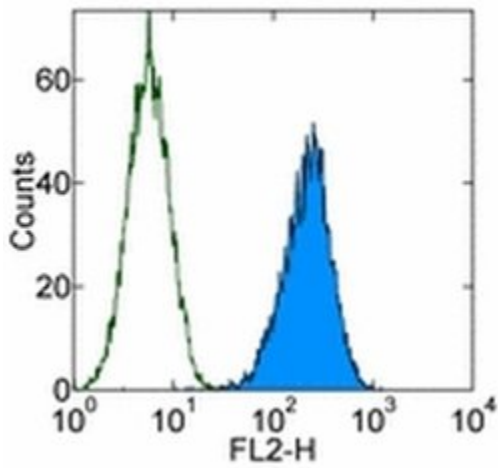
Applications Reported: This MJ7/18 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This MJ7/18 antibody has been tested by flow cytometric analysis of mouse brain-derived endothelial (bEnd.3) cells and splenocytes. This can be used at less than or equal to 0.5 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 CD105 (Endoglin) Monoclonal Antibody (MJ7/18), PE, eBioscience™



CD105 (Endoglin) Antibody (12-1051-82) in Flow

Staining of bEnd-3 cell line with 0.25 µg of Rat IgG2a kappa Isotype Control PE (Product # 12-4321-80) (open histogram) or 0.25 µg of Anti-Mouse CD105 (Endoglin) PE (filled histogram). Total viable cells were used for analysis.

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Flow Cytometry (41)

Frontiers in veterinary science

Equine Dental Pulp Connective Tissue Particles Reduced Lameness in Horses in a Controlled Clinical Trial.

"12-1051 was used in Flow cytometry/Cell sorting to assess if injection of allogeneic dental pulp tissue particles improves lameness in horses with naturally occurring osteoarthritis or soft tissue injury."

Authors: Bertone AL, Reisbig NA, Kilborne AH, Kaido M, Salmanzadeh N, Lovasz R, Sizemore JL, Scheuermann L, Kopp RJ, Zekas LJ, Brokken MT

Species
Horse

Dilution
Not Cited

Year
2020

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 # 12-1051-82) 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

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

Miscellaneous PubMed (1)

Stem cell reports

Hematopoietic Stem Cells but Not Multipotent Progenitors Drive Erythropoiesis during Chronic Erythroid Stress in EPO Transgenic Mice.

"12-1051 was used in Mass cytometry to compare and characterise the cellular profiles and signatures of haematopoietic stem cells and multipotent progenitors during chronic erythroid stress."

Authors: Singh RP, Grinenko T, Ramasz B, Franke K, Lesche M, Dahl A, Gassmann M, Chavakis T, Henry I, Wielockx B

Species
Mouse

Dilution
Not Cited

Year
2018

Immunohistochemistry (1)

EMBO molecular medicine

Embelin inhibits endothelial mitochondrial respiration and impairs neoangiogenesis during tumor growth and wound healing.

"12-1051 was used in Immunohistochemistry to demonstrate a novel therapy to control pathological neoangiogenesis while sparing normal vasculature."

Authors: Coutelle O, Hornig-Do HT, Witt A, Andree M, Schiffmann LM, Piekarek M, Brinkmann K, Seeger JM, Liwschitz M, Miwa S, Hallek M, Krönke M, Trifunovic A, Eming SA, Wiesner RJ, Hacker UT, Kashkar H

Species
Mouse

Dilution
1:500

Year
2014

More applications with references on thermofisher.com

IHC (F) (2)

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