

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MJ7/18
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_466556

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	3 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	0.5 µg/test	24 Publications
ELISA (ELISA)	-	1 Publication
Miscellaneous PubMed (Misc)	-	3 Publications

Product Specific Information

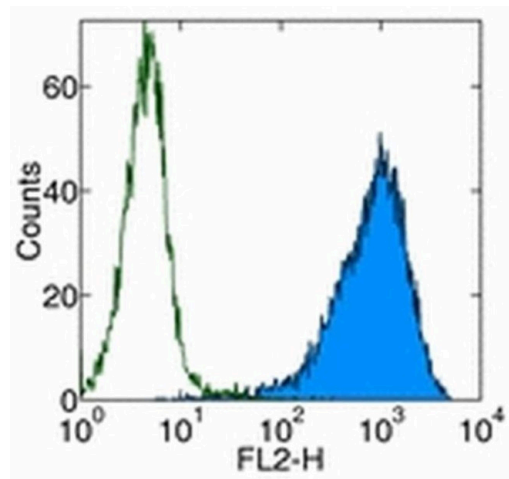
Description: The MJ7/18 monoclonal antibody reacts with the mouse CD105 molecule, also known as Endoglin. This 90 kDa disulfide-linked homodimer is expressed by vascular endothelial cells. It is suggested that CD105 functions in adhesion and embryonic angiogenesis.

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

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

Filtration: 0.2 µm post-manufacturing filtered.

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



CD105 (Endoglin) Antibody (13-1051-82) in Flow
Surface staining of bEND-3 cell line with 0.25 µg of Anti-Mouse CD105 (Endoglin) Biotin followed by Streptavidin PE. (Product # 12-4317-87)
Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

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Western Blot (1)

Cancer research	Year 2007
A role for endoglin as a suppressor of malignancy during mouse skin carcinogenesis.	
Authors: Pérez-Gómez E,Villa-Morales M,Santos J,Fernández-Piqueras J,Gamallo C,Dotor J,Bernabéu C,Quintanilla M	

Immunohistochemistry (4)

Tissue engineering. Part C, Methods	Year 2018
Utilizing Confocal Microscopy to Characterize Human and Mouse Adipose Tissue.	
"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 13-1051-82) in Immunohistochemistry"	
Authors: Blackshear CP,Borrelli MR,Shen EZ,Ransom RC,Chung NN,Vistnes SM,Irizarry D,Nazerali R,Momeni A,Longaker MT,Wan DC	

Nature cell biology	Year 2017
Endoglin prevents vascular malformation by regulating flow-induced cell migration and specification through VEGFR2 signalling.	
"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 13-1051-82) in Immunofluorescence"	
Authors: Jin Y,Muhl L,Burmakin M,Wang Y,Duchez AC,Betsholtz C,Arthur HM,Jakobsson L	

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

Immunohistochemistry (Frozen) (3)

PloS one	Year 2008
A novel role for PECAM-1 (CD31) in regulating haematopoietic progenitor cell compartmentalization between the peripheral blood and bone marrow.	
"13-1051 was used in Immunofluorescence on frozen tissues to investigate the role of PECAM-1 in the bone marrow microenvironment."	
Authors: Ross EA,Freeman S,Zhao Y,Dhanjal TS,Ross EJ,Lax S,Ahmed Z,Hou TZ,Kalia N,Egginton S,Nash G,Watson SP,Frampton J,Buckley CD	
Species Mouse	

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- ICC/IF (2)
- Flow (24)
- ELISA (1)
- Misc (3)

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