

# CD105 (Endoglin) Monoclonal Antibody (SN6), eFluor™ 450, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Fruit fly, Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SN6
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11219684

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	54 Publications

## Product Specific Information

**Description:** The SN6 monoclonal antibody reacts with human CD105, also known as Endoglin. CD105, an approximately 90 kDa disulfide-linked homodimer is expressed by vascular endothelial cells and some bone marrow cells and activated macrophages. It is suggested that CD105 functions in adhesion and embryonic angiogenesis.

**Applications Reported:** This SN6 antibody has been reported for use in flow cytometric analysis.

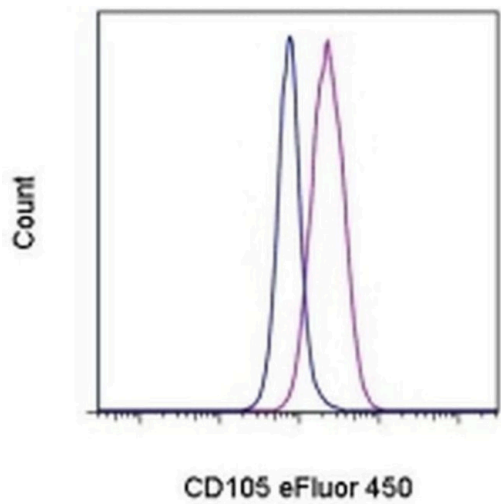
**Applications Tested:** This SN6 antibody has been pre-titrated and tested by flow cytometric analysis of the U937 cell line. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

**Excitation:** 405 nm; **Emission:** 445 nm; **Laser:** Violet Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

Product Images For CD105 (Endoglin) Monoclonal Antibody (SN6), eFluor™ 450, eBioscience™



**CD105 (Endoglin) Antibody (48-1057-42) in Flow**  
Staining of U937 cells with Mouse IgG1 K Isotype Control eFluor® 450 (Product # 48-4714-82) (blue histogram) or Anti-Human CD105 (Endoglin) eFluor® 450 (purple histogram). Total viable cells, as determined by Fixable Viability Dye eFluor® 780, were used for analysis.

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Immunohistochemistry (1)

<p>Tissue engineering. Part C, Methods</p> <p><b>Utilizing Confocal Microscopy to Characterize Human and Mouse Adipose Tissue.</b></p> <p>"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 48-1057-42) in Immunohistochemistry"</p> <p>Authors: Blackshear CP,Borrelli MR,Shen EZ,Ransom RC,Chung NN,Vistnes SM,Irizarry D,Nazerali R,Momeni A, Longaker MT,Wan DC</p>	<p>Year 2018</p>
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Immunocytochemistry (2)

<p>JBRA assisted reproduction</p> <p><b>The Effect of Different Doses of Melatonin on in Vitro Maturation of Human Follicular Fluid-Derived Oocyte-Like Cells.</b></p> <p>"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 48-1057-42) in Immunocytochemistry"</p> <p>Authors: Azandeh S,Moghadam MT,Rashno M,Zargar M,Zadeh PA</p>	<p>Year 2022</p>
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<p>Tissue engineering. Part C, Methods</p> <p><b>Utilizing Confocal Microscopy to Characterize Human and Mouse Adipose Tissue.</b></p> <p>"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 48-1057-42) in Immunohistochemistry"</p> <p>Authors: Blackshear CP,Borrelli MR,Shen EZ,Ransom RC,Chung NN,Vistnes SM,Irizarry D,Nazerali R,Momeni A, Longaker MT,Wan DC</p>	<p>Year 2018</p>
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Flow Cytometry (54)

<p>Current issues in molecular biology</p> <p><b>In Vitro Evidence of Differential Immunoregulatory Response between MDA-MB-231 and BT-474 Breast Cancer Cells Induced by Bone Marrow-Derived Mesenchymal Stromal Cells Conditioned Medium.</b></p> <p>"48-1057-42 was used in Flow cytometry/Cell sorting to study the effect of the conditioned medium of human bone marrow-derived-MSCs (hBM-MSC-cm) on the immunoregulatory capability of MDA-MB-231 and BT-474 breast cancer cells."</p> <p>Authors: Arenas-Luna VM,Montesinos JJ,Cortés-Morales VA,Navarro-Betancourt JR,Peralta-Ildefonso J,Cisneros B, Hernández-Gutiérrez S</p>	<p>Year 2022</p> <p>Species Human</p>
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