

# CD105 (Endoglin) Monoclonal Antibody (SN6), Super Bright™ 600, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 600, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SN6
Conjugate	Super Bright™ 600
Excitation/Emission Max	414/601 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2802434

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	28 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-diluted and tested by flow cytometric analysis of U937 cell line. This may be used at 5 µL (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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

Super Bright 600 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 600 nm. We recommend using a 610/20 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

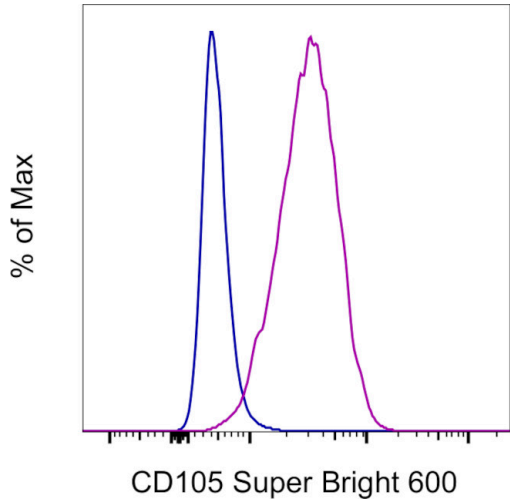
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; Emission: 600 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

**Product Images For CD105 (Endoglin) Monoclonal Antibody (SN6), Super Bright™ 600, eBioscience™**



**CD105 (Endoglin) Antibody (63-1057-41) in Flow**  
U937 cells were stained with Mouse IgG1 kappa Isotype Control, Super Bright 600 (Product # 63-4714-82) (blue histogram) or CD105 Monoclonal Antibody, Super Bright 600 (purple histogram). Total viable cells were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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

## Immunohistochemistry (1)

<p><b>Tissue engineering. Part C, Methods</b></p> <p><b>Utilizing Confocal Microscopy to Characterize Human and Mouse Adipose Tissue.</b></p> <p>"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 63-1057-42) in Immunocytochemistry"</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><b>Year</b> 2018</p>
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## Immunocytochemistry (2)

<p><b>JBRA assisted reproduction</b></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 # 63-1057-42) in Immunocytochemistry"</p> <p>Authors: Azandeh S,Moghadam MT,Rashno M,Zargar M,Zadeh PA</p>	<p><b>Year</b> 2022</p>
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<p><b>Tissue engineering. Part C, Methods</b></p> <p><b>Utilizing Confocal Microscopy to Characterize Human and Mouse Adipose Tissue.</b></p> <p>"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 63-1057-42) in Immunocytochemistry"</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><b>Year</b> 2018</p>
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## Flow Cytometry (28)

<p><b>Scientific reports</b></p> <p><b>Production enhancement of human adipose-derived mesenchymal stem cells by low-intensity ultrasound stimulation.</b></p> <p>"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 63-1057-42) in Flow Cytometry"</p> <p>Authors: Min S,Byeon Y,Kim M,Lee Y,Lee SH,Lee Y,Farooqi HMU,Lee HK,Paeng DG</p>	<p><b>Year</b> 2022</p>
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[View more Flow references on thermofisher.com](#)

## More applications with references on thermofisher.com

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