

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 10⁵ to 10⁸ 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.

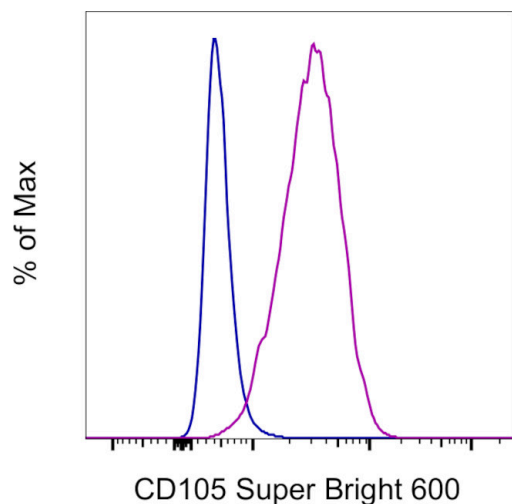
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 μ L of cell sample + 100 μ L 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://www.thermofisher.com)

31 References

Immunohistochemistry (1)

Tissue engineering. Part C, Methods

Utilizing Confocal Microscopy to Characterize Human and Mouse Adipose Tissue.

"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 63-1057-42) in Immunocytochemistry"
Authors: Blackshear CP, Borrelli MR, Shen EZ, Ransom RC, Chung NN, Vistnes SM, Irizarry D, Nazerali R, Momeni A, Longaker MT, Wan DC

Year
2018

Immunocytochemistry (2)

JBRA assisted reproduction

The Effect of Different Doses of Melatonin on in Vitro Maturation of Human Follicular Fluid-Derived Oocyte-Like Cells.

"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 63-1057-42) in Immunocytochemistry"
Authors: Azandeh S, Moghadam MT, Rashno M, Zargar M, Zadeh PA

Year
2022

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Year
2018

Flow Cytometry (28)

Scientific reports

Production enhancement of human adipose-derived mesenchymal stem cells by low-intensity ultrasound stimulation.

"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 63-1057-42) in Flow Cytometry"
Authors: Min S, Byeon Y, Kim M, Lee Y, Lee SH, Lee Y, Farooqi HMU, Lee HK, Paeng DG

Year
2022

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

More applications with references on thermofisher.com

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