CD105 (Endoglin) Monoclonal Antibody (SN6), Super Bright™ 436, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SN6
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 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_2716997

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	35 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: The 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 U937 cell line. This can be used at 5 µL (0.06 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

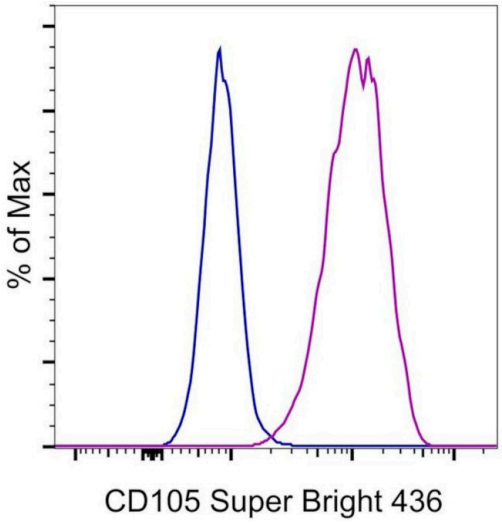
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

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

Please note: We are reviewing Western blot images included in the antibody testing data in our catalog, including those provided by third parties. Unless expressly labeled or annotated as "raw-unedited", Western blot images included in the antibody testing data in our catalog may have been edited, optimized or otherwise adjusted for presentation.

Product Images For CD105 (Endoglin) Monoclonal Antibody (SN6), Super Bright™ 436, eBioscience™



CD105 (Endoglin) Antibody (62-1057-42) in Flow
Staining of U937 cells with Mouse IgG1 K Isotype Control Super Bright 436 (Product # 62-4714-82) (blue histogram) or Anti-Human CD105 (Endoglin) Super Bright 436 (purple histogram). Total viable cells were used for analysis.

View more figures on thermofisher.com

38 References

Immunohistochemistry (1)

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 # 62-1057-42) 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

Immunocytochemistry (2)

JBRA assisted reproduction

Year
2022

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 # 62-1057-42) in Immunocytochemistry"

Authors: Azandeh S, Moghadam MT, Rashno M, Zargar M, Zadeh PA

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 # 62-1057-42) 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

Flow Cytometry (35)

Cells

Year
2024

Generation of Highly Functional Hepatocyte-like Organoids from Human Adipose-Derived Mesenchymal Stem Cells Cultured with Endothelial Cells.

"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 62-1057-42) in Flow Cytometry"

Authors: Chen S, Saito Y, Waki Y, Ikemoto T, Teraoku H, Yamada S, Morine Y, Shimada M

View more Flow references on thermofisher.com

More applications with references on thermofisher.com

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