

CD105 (Endoglin) Monoclonal Antibody (SN6), PE-Cyanine7, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Dog, Fruit fly, Cat, Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SN6
Conjugate	PE-Cyanine7
Excitation/Emission Max	569/780 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_11217682

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	63 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 (0.125 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.

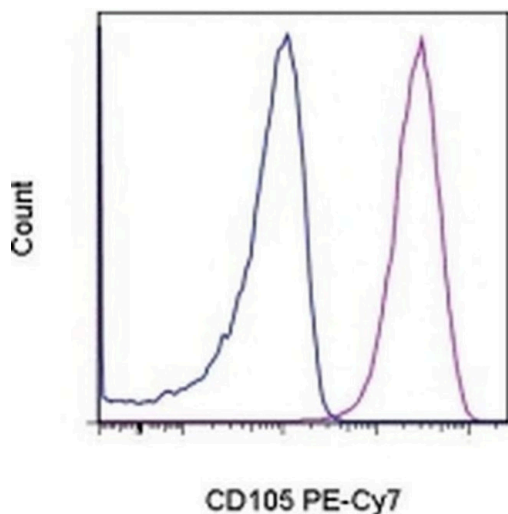
Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-822-49) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-54) 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: 488-561 nm; Emission: 775 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD105 (Endoglin) Monoclonal Antibody (SN6), PE-Cyanine7, eBioscience™



CD105 (Endoglin) Antibody (25-1057-42) in Flow

Staining of U937 cells with Mouse IgG1 K Isotype Control PE-Cyanine7 (Product # 25-4714-80) (blue histogram) or Anti-Human CD105 (Endoglin) PE-Cyanine7 (purple histogram). Total viable cells, as determined by Fixable Viability Dye eFluor® 780, were used for analysis.

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

63 References

Flow Cytometry (63)

Stem cells international

Stimulated Human Umbilical Cord Mesenchymal Stem Cells Enhance the Osteogenesis and Cranial Bone Regeneration through IL-32 Mediated P38 Signaling Pathway.

"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 25-1057-42) in Flow Cytometry"

Authors: Zhang X,Zheng Y,Wang G,Liu Y,Wang Y,Jiang X,Liang Y,Zhao X,Li P,Zhang Y

Year
2024

Cells

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 # 25-1057-42) in Flow Cytometry"

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

Year
2024

[View more Flow references on thermofisher.cn](https://thermofisher.cn)

More applications with references on thermofisher.cn

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