

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

Product Details	
Size	100 µg
Species	Human
Published Species	Artificial Control, Fruit fly, Cat, Human
Expression System	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	SN6
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_467417

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	25 Publications
Western Blot (WB)	-	2 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.

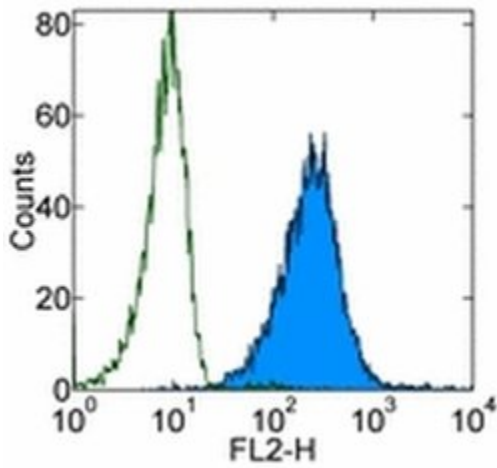
**Applications Tested:** The SN6 antibody has been tested by flow cytometric analysis of U937 cell line. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Purity:** Greater than 90%, as determined by SDS-PAGE.

**Aggregation:** Less than 10%, as determined by HPLC.

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

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



### CD105 (Endoglin) Antibody (14-1057-82) in Flow

Staining of U937 cell line with 0.5 µg of Mouse IgG1 kappa Isotype Control Purified (Product # 14-4714-82) (open histogram) or Anti-Human CD105 (Endoglin) Purified (filled histogram) followed by F (ab')<sub>2</sub> Anti-Mouse IgG PE (Product # 12-4012). Total viable cells were used for analysis.

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## Flow Cytometry (25)

### Cell discovery

#### ATF6 safeguards organelle homeostasis and cellular aging in human mesenchymal stem cells.

"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 14-1057-82) in Flow Cytometry"

Authors: Wang S,Hu B,Ding Z,Dang Y,Wu J,Li D,Liu X,Xiao B,Zhang W,Ren R,Lei J,Hu H,Chen C,Chan P,Li D,Qu J,Tang F,Liu GH

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2020

### Stem cells international

#### Therapeutic Effects of Human Urine-Derived Stem Cells in a Rat Model of Cisplatin-Induced Acute Kidney Injury In Vivo and In Vitro.

"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 14-1057-82) in Flow Cytometry"

Authors: Sun B,Luo X,Yang C,Liu P,Yang Y,Dong X,Yang Z,Xu J,Zhang Y,Li L

**Species**  
Artificial Control

**Dilution**  
Not Cited

**Year**  
2020

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

## Western Blot (2)

### Nature cell biology

#### Endoglin prevents vascular malformation by regulating flow-induced cell migration and specification through VEGFR2 signalling.

"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 14-1057-82) in Western Blot"

Authors: Jin Y,Muhl L,Burmakin M,Wang Y,Duchez AC,Betsholtz C,Arthur HM,Jakobsson L

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2017

### PloS one

#### Endoglin requirement for BMP9 signaling in endothelial cells reveals new mechanism of action for selective anti-endoglin antibodies.

"Published figure using CD105 (Endoglin) monoclonal antibody (Product # 14-1057-82) in Western Blot"

Authors: Nolan-Steaux O,Zhong W,Culp S,Shaffer K,Hoover J,Wickramasinghe D,Ruefli-Brasse A

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2013

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