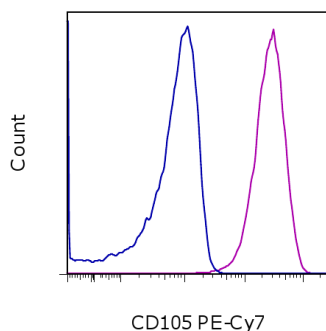


## Anti-Human CD105 (Endoglin) PE-Cyanine7

Catalog Number: 25-1057


RUO: For Research Use Only. Not for use in diagnostic procedures.



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

### Product Information

**Contents:** Anti-Human CD105 (Endoglin) PE-Cyanine7


 **Catalog Number:** 25-1057


**Clone:** SN6

**Concentration:** 5  $\mu$ L (0.125  $\mu$ g)/test


**Host/Isotype:** Mouse IgG1, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.

 **Batch Code:** Refer to vial

 **Use By:** Refer to vial

 **Contains sodium azide**

### 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  $\mu$ L (0.125  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  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 (cat. 00-8222) (100  $\mu$ L cell sample + 100  $\mu$ L IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) 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.

### References

Kishimoto, T., A.E.G., von dem Borne, et al. eds. 1998. Leucocyte Typing VI: White Cell Differentiation Antigens. Garland Publishing Inc. London.

### Related Products

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25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

65-0865 Fixable Viability Dye eFluor® 780

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