

Anti- Human CD105 (2H6F11)

Fluorochrome	Reference	Size
PURE	105PU-01MG	100 test
FITC	105F-100T	100 test
PE	105PE-100T	100 test
PerCP	105PP-100T	100 test
APC	105A-100T	100 test
Biotin	105B-01MG	100 test
CF- Blue	105CFB-100T	100 test
PerCP- Cyanine 5.5	105PP5.5-100T	100 test

PRODUCT DESCRIPTION

Clone: 2H6F11

Isotype: IgG1

Tested application: flow cytometry

Immunogen: The anti-CD105 monoclonal antibody derives from human Endoglin fusion protein.

Species reactivity: Human

Storage instruction: store in the dark at 2-8 °C

Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN₃).

Recommended usage: Immunostep's CD105, clone 2H6F11, is a monoclonal antibody intended for the identification and enumeration of endothelial cells, activated monocytes/macrophages, bone marrow stromal cells, hematopoietic stem/progenitor cells using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10⁶ cells.

Presentation: liquid

Source: Supernatant proceeding from an *in vitro* cell culture of a cell hybridoma.

Purification: Affinity chromatography.

ANTIGEN DETAILS

Large description: This antibody reacts with the CD105 antigen, which is expressed by vascular endothelial cells and syncytiotrophoblasts of placenta, Pre-B cells in fetal marrow, erythroid precursors in fetal and adult bone marrow and is weakly expressed by stromal fibroblasts. Reacts with a homodimeric integral membrane protein comprised of 95 kDa subunits (CD105). CD105 is a component of the TGF-β receptor system and can bind TGF-β1 and TGF-β3 with high affinity but does not bind TGF-β2. U937 cells and monocytes and tissue macrophages also express CD105. Expression of CD105 is increased on activated endothelium in tissues undergoing angiogenesis, such as in tumours, or in cases of wound healing or dermal inflammation.⁽¹⁻³⁾

Other Names: Endoglin

Gene ID: 2022

Molecular weight: 95 kDa

Please, refer to www.immunostep.com technical support for more information.

WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties. Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

REFERENCES

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2. Cheifetz S, Bellon T, Cales C, Vera S, Bernabeu C, Massague J, et al. Endoglin is a component of the transforming growth factor-beta receptor system in human endothelial cells. *J Biol Chem* 1992 Sep 25;267(27):19027-30.
3. Bellon T, Corbi A, Lastres P, Cales C, Cebrian M, Vera S, et al. Identification and expression of two forms of the human transforming growth factor-beta-binding protein endoglin with distinct cytoplasmic regions. *Eur J Immunol* 1993 Sep;23(9):2340-5.

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