

CD105 monoclonal antibody

Catalog: MB65746

Host: Mouse

Reactivity: Human

BackGround:

CD105/Endoglin is an auxiliary receptor for the TGF- β receptor complex, functioning in related signaling pathways. CD105/Endoglin is a transmembrane protein that exists as a disulfide-linked homodimer. It is mainly expressed in vascular and connective tissues and in endothelial and stromal cells. Upregulated CD105/endoglin expression has been reported during wound healing and tumor vascularization, and in inflammatory tissues and developing embryos. Mutations in CD105/endoglin have been found to be a causal factor of hereditary hemorrhagic telangiectasia (HHT), a disease characterized by malformation of vascular structure. The importance of this protein for normal and tumor vascular function makes it a good marker for endothelial cell proliferation as well as a potential therapeutic target in cancer.

Product:

Mouse IgG1. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~ 70 kDa

Swiss-Prot:

P17813

Purification&Purity:

The monoclonal antibody was affinity-purified from

mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IF (1/50 - 1/200)

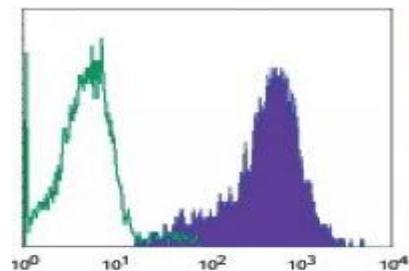
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes human CD105

DATA:



Flow cytometric analysis of MCF-7 cells using Anti-CD105 Antibody, followed by anti-mouse IgG PE.

Note:

For research use only, not for use in diagnostic procedure.

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