

30-2196: Anti-CD105 / Endoglin Monoclonal Antibody (Clone:MEM-226)

Clonality : Monoclonal
Clone Name : MEM-226
Application : IP,FACS,WB
Reactivity : Rat,Human
Conjugate : Unconjugated
Gene : ENG
Gene ID : 2022
Uniprot ID : P17813
Format : Purified
Alternative Name : ENG,END
Isotype : Mouse IgG2a

Immunogen Information : Recombinant *Vaccinia* virus containing the human CD105 cDNA.

Description

CD105 (Endoglin) is a homodimeric transmembrane glycoprotein serving in presence of TGFbetaR-2 as a receptor for TGFbeta-1 and TGFbeta-3. CD105 is highly expressed on endothelial cells and promotes angiogenesis during wound healing, infarcts and in a wide range of tumours and its gene expression is stimulated by hypoxia. CD105 prevents apoptosis in hypoxic endothelial cells and also antagonises the inhibitory effects of TGFbeta-1 on vascular endothelial cell growth and migration. Normal cellular levels of CD105 are required for formation of new blood vessels.

Product Info

Amount : 0.1 mg
Content : 1mg/ml, Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition : Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml.

Western blotting: Non-reducing conditions.

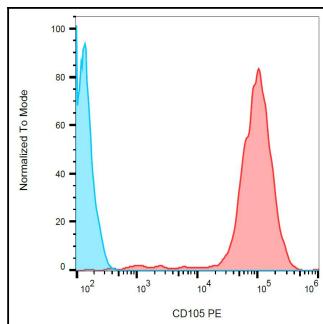


Figure 1: Surface staining of HUVEC (human umbilical vein endothelial cells) with anti-CD105 (MEM-226) PE. HEK-293 cells used as a negative control.