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## 30-1976: FITC Conjugated, Anti-CD105 / Endoglin Monoclonal Antibody (Clone:MEM-226)

Clonality: Monoclonal
Clone Name: MEM-226
Application: FACS

Reactivity: Rat, Human

Conjugate: FITC
Gene: ENG
Gene ID: 2022
Uniprot ID: P17813
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: 100 tests

**Content:** Stabilizing 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: The reagent is designed for analysis of human blood cells using 20  $\mu$ l reagent / 100  $\mu$ l of whole blood or 106 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.

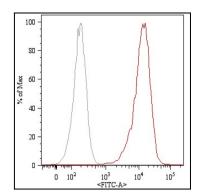


Figure 1: Surface staining (flow cytometry) of HUVEC (human umbilical vein endothelial cells) with anti-human CD105 (MEM-226) FITC. Total viable cells were used for analysis.