

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-226
<b>Application :</b>	FACS
<b>Reactivity :</b>	Rat,Human
<b>Conjugate :</b>	FITC
<b>Gene :</b>	ENG
<b>Gene ID :</b>	2022
<b>Uniprot ID :</b>	P17813
<b>Alternative Name :</b>	ENG,END
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	Recombinant <i>Vaccinia</i> 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

<b>Amount :</b>	100 tests
<b>Content :</b>	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	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 µl reagent / 100 µl of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.

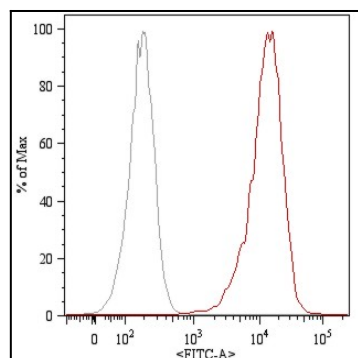


Figure 1: Surface staining (flow cytometry) of HUVEC (human umbilical vein endothelial cells) with anti-human CD105 (MEM-226) FITC. Total viable cells were used for analysis.