



Product Datasheet  
**CD105 monoclonal antibody**  
Catalogue Code: AGIM0073

## Antibody Data

<b>Product SKU:</b>	AGIM0073	<b>Clone</b>	MEM-226
<b>Applications:</b>	FC	<b>Conjugate</b>	Unconjugated
<b>Reactivity:</b>	Human		

## Immunogen Information:

**Host Species:** Mouse

**Isotype:** IgG2a

**Storage:** Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

## Background:

CD105 (Endoglin) is a homodimeric transmembrane glycoprotein serving in presence of TGFOIR-2 as a receptor for TGFOI-1 and TGFOI-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 TGFOI-1 on vascular endothelial cell growth and migration. Normal cellular levels of CD105 are required for formation of new blood vessels.