

## Mouse anti-human CD105 (Endoglin)

### ORDERING INFORMATION

<b>Catalog No:</b>	<b>hAP-0049</b>
<b>Size:</b>	<b>100 µg</b>
<b>Storage:</b>	<b>&lt; -20° C</b>
<b>Immunogen:</b>	<b>Cell membrane proteins of leukemia cells.</b>
<b>Ig Type:</b>	<b>mouse IgG1</b>
<b>Clone:</b>	<b>MM0049-12J11</b>
<b>Applications:</b>	<b>Immunohistochemistry</b>

**Description:** CD105 or Endoglin is a Type I transmembrane protein, which is highly expressed on vascular endothelial cells. It exists on an O- and N-glycosylated homodimer. Up regulation of endoglin expression has been demonstrated in tumor vasculature and proliferating cells, suggesting that it is a proliferation associated endothelial marker. CD105 binds to TGF-β1 and β3 with high affinity but not to TGF-β2.

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with cell membrane glycoproteins of lymphoblastic leukemia cells).

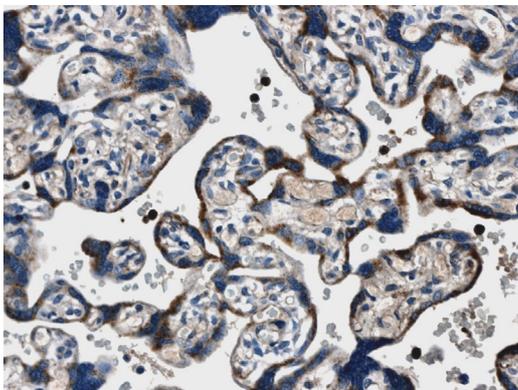
**Formulation and Storage:** The IgG fraction of cell culture supernatant was purified by Protein A/G and lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS, containing sodium azide as preservative). Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

**Reconstitution:** Reconstitute the antibody with 200 µl sterile H<sub>2</sub>O and the final concentration is 500µg/ml. Reconstituted antibody is stable for 12 month when stored at 4°C, and it can also be aliquoted and stored frozen at < -20 for at least for long term storage. **Avoid repeated freeze-thaw cycles.**

**Specificity:** This antibody reacts with 95 kD (monomer) and 190 kD (dimer) proteins.

### Applications:

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|--|------------|-------------------|
| <b>1. Immunohistochemistry (Paraffin):</b> | <b>Yes</b> | <b>(1:50-200)</b> |
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Formalin fixed and paraffin embedded human placenta tissue section was subjected to IHC staining with anti human CD105 antibody (hAP-0049).

**Final dilutions should be optimized by the end users and the dilutions provided in the data sheet are for reference only.**

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