

Mouse anti-human CD105 (Endoglin)

ORDERING INFORMATION

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

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).

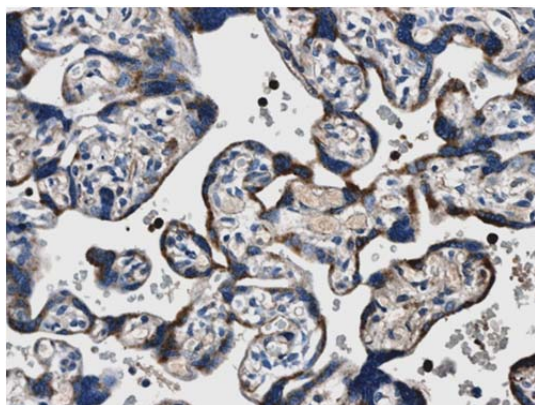
Formulation and Storage: The IgG fraction of cell culture supernatant was purified by Protein A/G and lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS, containing sodium azide as preservative). Lyophilized samples are stable for 2 years from date of receipt when stored at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

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS 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:

1. **Immunohistochemistry (Paraffin):** **Yes** **(1:50-200)**



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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