

CD105 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50332

Clone# BP6307

Predicted Molecular Wt: 71kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P17813

Background:

CD105(Endoglin) is an auxiliary receptor for the TGF- β receptor complex, functioning in related signaling pathways. It is a transmembrane protein that exists as a disulfide-linked homodimer.

CD105 is restricted to endothelial cells in all tissues except bone marrow.

Upregulated CD105 expression has been reported during wound healing and tumor vascularization, and in inflammatory tissues and developing embryos. Mutations in CD105 have been found to be a causal factor of hereditary hemorrhagic telangiectasia (HHT), a disease characterized by malformation of vascular structure. The importance of this protein for normal and tumor vascular function makes it a good marker for endothelial cell proliferation as well as a potential therapeutic target in cancer.

Subcellular location:

Membrane

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide. This information is proprietary to BioLynx.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

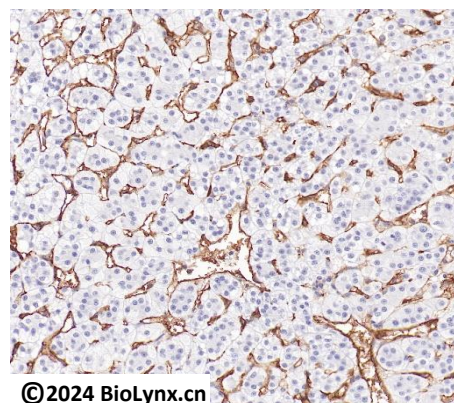
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200


Background References:

- Bernabeu, C. et al. (2007) J Cell Biochem 102, 1375-88.
- Dallas, N.A. et al. (2008) Clin Cancer Res 14, 1931-7.



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of liver cancer labelling CD105 with BP6307.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.