

DATASHEET

CD105 Rabbit Monoclonal Antibody(ARB599)

CAT. NO. ARB6893

KEY FEATURES

Target	CD105	Clone ID	ARB599
Source / Host	Rabbit	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	at-20°C

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.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	Dilution Ratio
IHC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

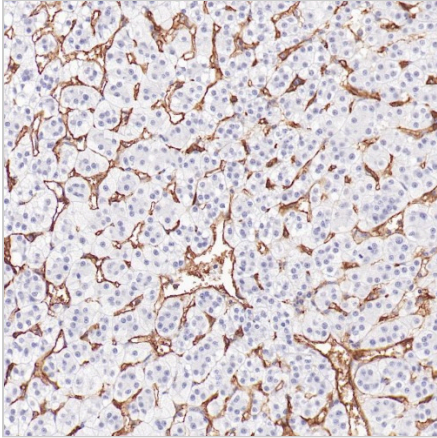
Predicted Molecular Wt	71kDa
Purity	ProA affinity purified IgG
Subcellular location	Membrane
SwissProt ID	P27813
Immunogen	Synthetic peptide.
Storage Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%
Recommended Method	Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.
Alternative Names	Endoglin (CD antigen CD105)
Gene Symbol	ENG
Entrez Gene	2022

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Immunohistochemical staining of human liver carcinoma using CD105 Monoclonal Antibody(ARB599).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com