BT LAB
Bioassay Technology Laboratory
Optimize Your Research

CD105 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0272
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human CD105 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	Endoglin
Synonyms	ENG; END; Endoglin; CD antigen CD105

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds to the beta1 and beta3 peptides with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia. This gene may also be involved in preeclampsia and several types of cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Recommended Dilution

FC: 1:200 - 1:400

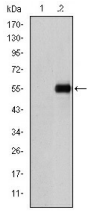
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

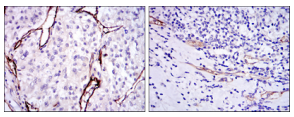
WB: 1:500 - 1:2000

Not yet tested in other applications.

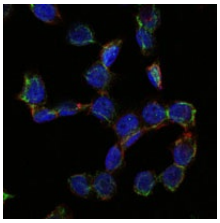
Images



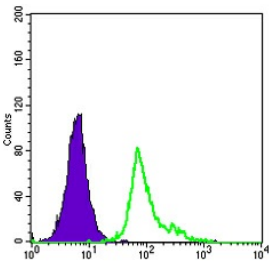
Western Blot analysis using CD105 Monoclonal antibody against HEK293 (1) and CD105-hIgGFc transfected HEK293 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded kidney cancer tissues (left) and stomach cancer tissues (right) with DAB staining using CD105 Monoclonal antibody.



Immunofluorescence analysis of HepG2 cells using CD105 Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HepG2 cells using CD105 Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com