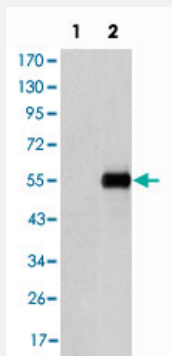


ENG monoclonal antibody, clone 3A9

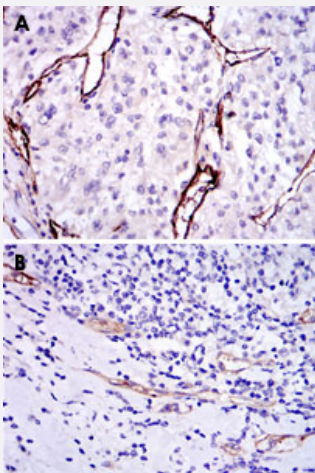
Catalog # MAB10524 Size 100 uL

Applications



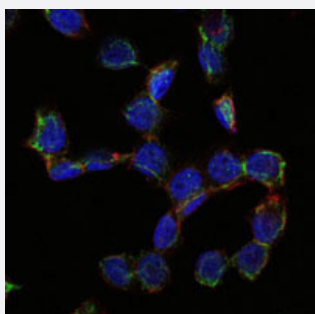
Western Blot (Transfected lysate)

Western blot analysis using ENG monoclonal antibody, clone 3A9 (Cat # MAB10524) against HEK293 (1) and CD105-hlgGfc transfected HEK293 (2) cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human kidney cancer tissues (A) and stomach cancer tissues (B) using ENG monoclonal antibody, clone 3A9 (Cat # MAB10524) with DAB staining.



Immunofluorescence

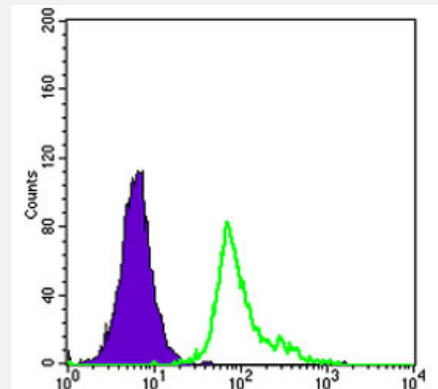
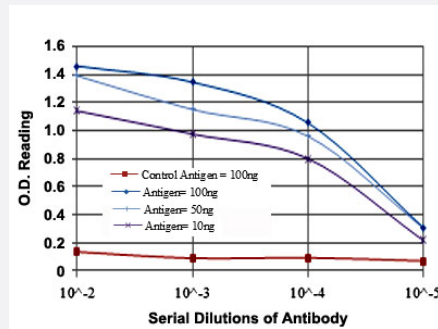
Immunofluorescence analysis of HepG2 cells using ENG monoclonal antibody, clone 3A9 (Cat # MAB10524) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Enzyme-linked Immunoabsorbent Assay

Immunofluorescence analysis of HepG2 cells using ENG monoclonal antibody, clone 3A9 (Cat # MAB10524) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Flow Cytometry

Flow cytometric analysis of HepG2 cells using ENG monoclonal antibody, clone 3A9 (Cat # MAB10524) (green) and negative control (purple).



Specification

Product Description Mouse monoclonal antibody raised against partial recombinant ENG.

Immunogen Recombinant protein corresponding to human ENG.

Host Mouse

Theoretical MW (kDa) 71

Reactivity Human

Form Liquid

Isotype IgG1

Recommend Usage

- ELISA (1:10000)
- Western Blot (1:500-1:2000)
- Immunohistochemistry (1:200-1:1000)
- Immunofluorescence (1:200-1:1000)
- Flow cytometry (1:200-1:400)
- The optimal working dilution should be determined by the end user.

Storage Buffer In ascites (0.03% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis using ENG monoclonal antibody, clone 3A9 (Cat # MAB10524) against HEK293 (1) and CD105-hlgGfc transfected HEK293 (2) cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

Immunofluorescence analysis of HepG2 cells using ENG monoclonal antibody, clone 3A9 (Cat # MAB10524) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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Immunofluorescence analysis of HepG2 cells using ENG monoclonal antibody, clone 3A9 (Cat # MAB10524) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Flow Cytometry

Flow cytometric analysis of HepG2 cells using ENG monoclonal antibody, clone 3A9 (Cat # MAB10524) (green) and negative control (purple).

Gene Info — ENG

Entrez GeneID[2022](#)**Gene Name**

ENG

Gene Alias

CD105, END, FLJ41744, HHT1, ORW, ORW1

Gene Description

endoglin

Omim ID[131195](#) [187300](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

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 TGFB1 and TGFB3 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

CD105 antigen|OTTHUMP0000002221|Osler-Rendu-Weber syndrome 1

Disease

- [Aneurysm](#)
- [Arteriovenous Malformations](#)
- [Cardiovascular Diseases](#)
- [Central Nervous System Vascular Malformations](#)
- [Chromosome Aberrations](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Epistaxis](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Hypertension](#)
- [Intracranial Aneurysm](#)
- [Intracranial Arteriovenous Malformations](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Lung Neoplasms](#)
- [Pre-Eclampsia](#)
- [Pulmonary Disease](#)

- [Scleroderma](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Telangiectasia](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)