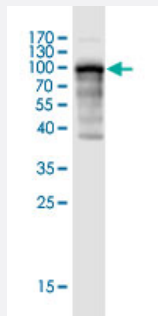


ENG monoclonal antibody (M22), clone 4D7

Catalog # H00002022-M22

Size 100 ug

Applications



Western Blot detection against Immunogen (95.26 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant ENG.

Immunogen

ENG (AAH14271, 27 a.a. ~ 658 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

TVHCDLQPVGPERDEVITYTTSQVSKGCVAQAPNAILEVHVLFEFPTGPSQLELTQASKQNGT
WPREVLLVLSVNSSVFLHLQALGIPLHLAYNSSLVTFQEPGVTTELPSFPKTQILEWAAERGPIT
SAAELNDPQSILLRLGQAQGSLSFCMLEASQDMGRTLEWRPRTPALVRGCHLEGVAGHKEAHIL
RVLPGHSAGPRTVTVKVELSCAPGDLDVILQGPYVSWLIDANHNMQWTTGEYSFKIFPEKNIR
GFKLPDTPQGLLGEARMLNASIVASFVELPLASVSLHASSCGGRLQTSPAPIQTTPPKDTCSP
LMSLIQTKCADDAMTLVLKKELVAHLKCTITGLTFWDPSCEAEDRGDKFVLRSAVSSCGMQVSA
SMISNEAVVNILSSSSPQRKKVHCLNMDLSLSFQLGLYLSPHFLQASNTIEPGQSFVQVRVSPSV
SEFLLQLDSCHLDLGPEGGTVELIQGRAAKGNCVSLSPSPEGDPRFSFLLHFYTVPIPKGTGLSC
TVALRPKTGSQDQEVHRTVFMRLNIISPDLSGCTSKGLVLPVAVLGITFGAFLIGALLTAALWYYSH
RSPSKREPVVAVAAPASSESSSTNHSIGSTQSTPCSTSSMA

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (72); Rat (73)

Isotype

IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (95.26 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ENG

Entrez GeneID

[2022](#)

GeneBank Accession#

[BC014271](#)

Protein Accession#

[AAH14271](#)

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|OTTHUMP00000022221|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](#)