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ENG Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant ENG.
Catalog # AT1907a

Specification

ENG Antibody (monoclonal) (M01) - Product Information

Application	**IP, WB, E**
Primary Accession	P17813
Other Accession	BC014271
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**70578**

ENG Antibody (monoclonal) (M01) - Additional Information

Gene ID 2022

Other Names
Endoglin, CD105, ENG, END

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

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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

Precautions
ENG Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

ENG Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

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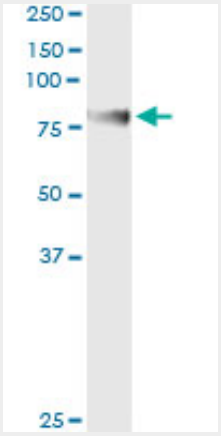
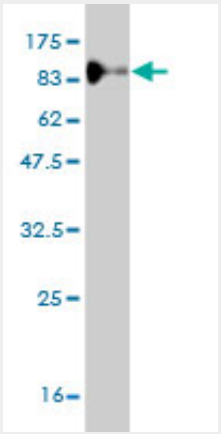
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

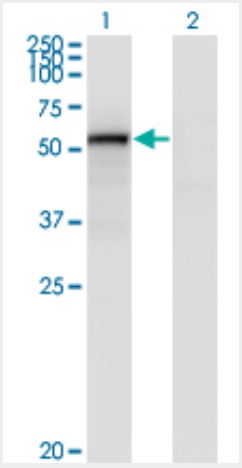
ENG Antibody (monoclonal) (M01) - Images



Immunoprecipitation of ENG transfected lysate using anti-ENG monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with ENG MaxPab rabbit polyclonal antibody.



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



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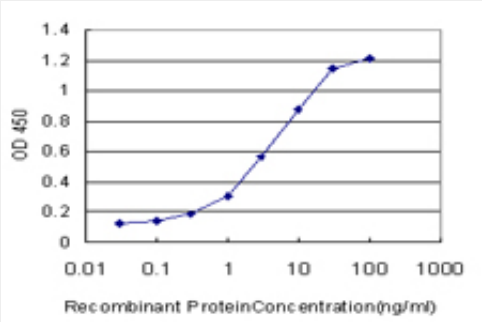
Western Blot analysis of ENG expression in transfected 293T cell line by ENG monoclonal antibody (M01), clone 4C11.

Lane 1: ENG transfected lysate(70.6 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged ENG is approximately 0.3ng/ml as a capture antibody.

ENG Antibody (monoclonal) (M01) - 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 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.

ENG Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Soluble endoglin in preeclamptic patients with or without HELLP syndrome. Hertig A, et al. Am J Obstet Gynecol, 2010 Jun. PMID 20430360.Update on molecular diagnosis of hereditary hemorrhagic telangiectasia. Richards-Yutz J, et al. Hum Genet, 2010 Jul. PMID 20414677.Genetic risk factors for hepatopulmonary syndrome in patients with advanced liver disease. Roberts KE, et al. Gastroenterology, 2010 Jul. PMID 20346360.Alterations of serum and placental endoglin in pre-eclampsia. Fang M, et al. J Int Med Res, 2010 Jan-Feb. PMID 20233512.