

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.

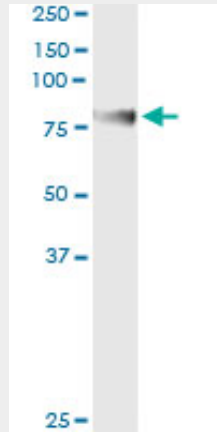
ENG Antibody (monoclonal) (M01) - Protocols

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

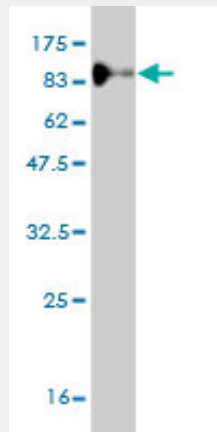
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

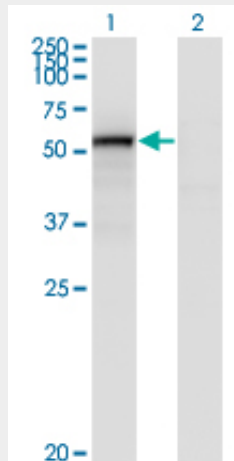
ENG Antibody (monoclonal) (M01) - Images



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

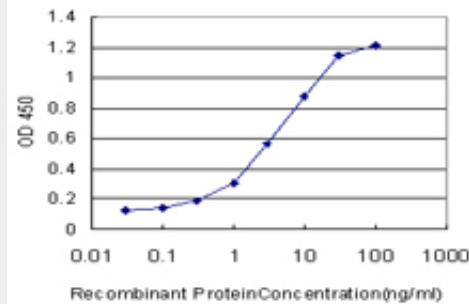


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (95.26 KDa) .



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 Thiazolidinedione-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.