

Product datasheet for **CF506170**

CD105 (ENG) Mouse Monoclonal Antibody [Clone ID: OT18A1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OT18A1
Applications:	IF, WB
Recommended Dilution:	WB 1:200~4000, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ENG(NP_000109) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	65 kDa
Gene Name:	endoglin
Database Link:	NP_000109 Entrez Gene 2022 Human P17813



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Background:

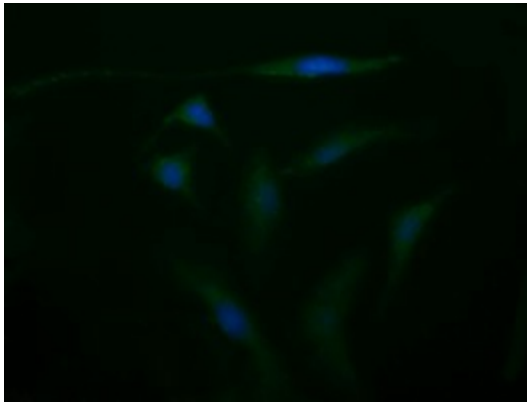
This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds TGFB1 and TGFB3 with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, 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. [provided by RefSeq, Sep 2008]

Synonyms:

END; HHT1; ORW1

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Product images:


Immunofluorescent staining of HeLa cells using anti-ENG mouse monoclonal antibody ([TA506170]).

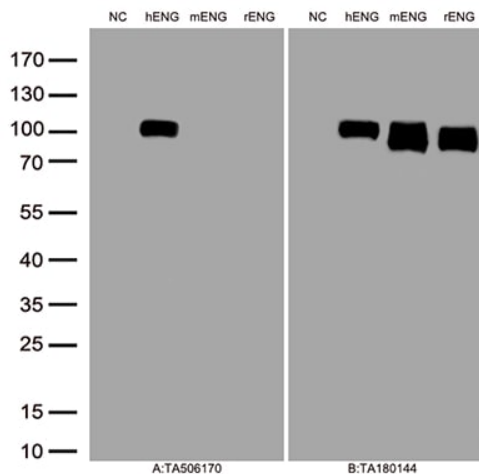


Figure A, Western blot analysis of overexpressed lysates(25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane NC) , human ENG plasmid ([RC221699], lane hENG), mouse ENG plasmid ([MR222686], lane mENG), rat ENG plasmid ([RR212346], lane rENG) using anti-ENG antibody [TA506170] (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)