



Anti-ENG monoclonal antibody, clone 3I7G22 (CABT-17921MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. Mouse monoclonal antibody raised against native ENG.
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Immunogen	Native purified ENG from cell membrane antigens from fresh human leukaemia cells.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3I7G22
Conjugate	Unconjugated
Applications	IFA, Flow Cyt
Format	Liquid
Buffer	In buffer containing 1% BSA, pH 7.2 (0.09% sodium azide)
Preservative	0.09% Sodium Azide
Storage	Store in the dark at 4°C. Avoid prolonged exposure to light.

GENE INFORMATION

Gene Name	ENG endoglin [Homo sapiens]
Official Symbol	ENG
Synonyms	endoglin; ORW; END; Osler-Rendu-Weber syndrome 1; HHT1; FLJ41744; CD105; ORW1; CD105 antigen; OTTHUMP00000022221; OTTHUMP00000022222
Entrez Gene ID	2022
Protein Refseq	NP_000109
UniProt ID	P17813
Chromosome Location	9q33-q34.1
Pathway	HIF-1-alpha transcription factor network, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem; TGF-beta Receptor Signaling Pathway, organism-specific biosystem
Function	activin binding; galactose binding; glycosaminoglycan binding; glycosaminoglycan binding; protein binding; contributes_to protein binding; protein homodimerization activity; transforming growth factor beta binding; transforming growth factor beta receptor activity; transforming growth factor beta receptor, cytoplasmic mediator activity; transmembrane receptor activity; type I transforming growth factor beta receptor binding; type I transforming growth factor beta receptor binding; type II transforming growth factor beta receptor binding; type II transforming growth factor beta receptor binding