

For Research Use Only

Endoglin/CD105 Monoclonal antibody

Catalog Number: 67075-1-Ig **7 Publications**



Basic Information

Catalog Number: 67075-1-Ig	GenBank Accession Number: BC014271	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 2022	CloneNo.: 2D5E8
Source: Mouse	UNIPROT ID: P17813	Recommended Dilutions: WB 1:5000-1:20000 IHC 1:10000-1:40000 IF-P 1:5000-1:20000
Isotype: IgG2b	Full Name: endoglin	
Immunogen Catalog Number: AG27837	Calculated MW: 71 kDa	
	Observed MW: 95-100 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, ELISA

Cited Applications:
IHC, IF

Species Specificity:
human

Cited Species:
human, mouse, rat, sheep

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HL-60 cells, HUVEC cells, human placenta tissue

IHC: human breast cancer tissue, human liver cancer tissue, human placenta tissue, human renal cell carcinoma tissue, human tonsillitis tissue

IF-P: human tonsillitis tissue, human liver cancer tissue, human placenta tissue

Background Information

Endoglin (ENG, CD105) is a homodimeric cell membrane glycoprotein of 180 kDa, composed of disulphide-linked subunits of 95 kDa. Endoglin is a proliferation-associated and hypoxia-inducible protein mainly expressed on vascular endothelial cells. It acts as an accessory receptor for transforming growth factor beta (TGF- β) and is involved in vascular development and remodelling. The important role of Endoglin in angiogenesis and in tumor progression makes it an ideal target for antiangiogenic therapy and a good marker for tumor prognosis. (PMID: 1326540; 14528280; 21737653; 12773481)

Notable Publications

Author	Pubmed ID	Journal	Application
Qing Zhang	35765095	Stem Cell Res Ther	IF
Baihe Han	35968497	Dis Markers	FC
Hou-Fu Xia	35916917	Cell Tissue Res	IHC,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

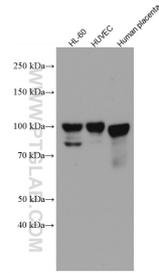
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

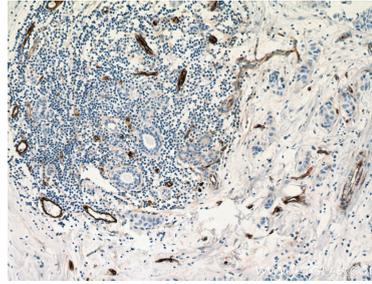
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

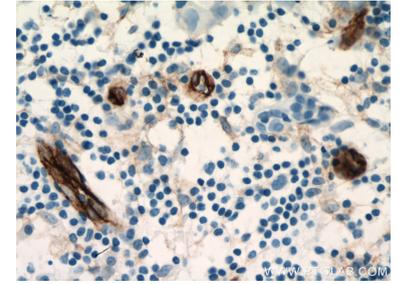
Selected Validation Data



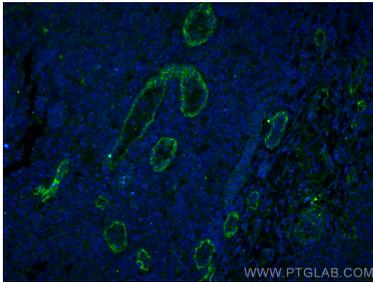
Various lysates were subjected to SDS PAGE followed by western blot with 67075-1-Ig (Endoglin/CD105 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



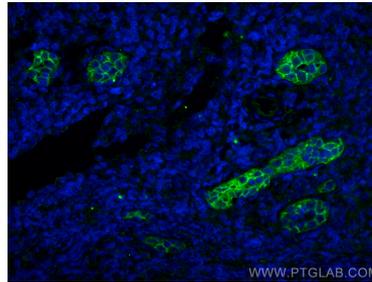
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67075-1-Ig (Endoglin/CD105 antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



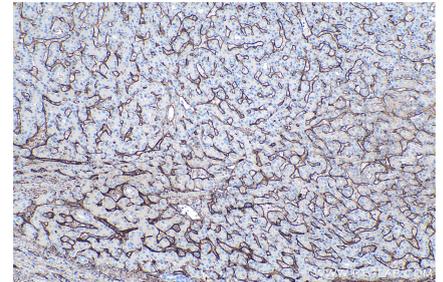
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67075-1-Ig (Endoglin/CD105 antibody) at dilution of 1:20000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



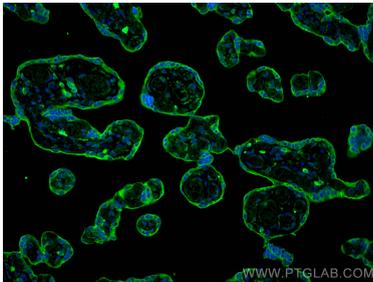
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using Endoglin/CD105 antibody (67075-1-Ig, Clone: 2D5E8) at dilution of 1:10000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using Endoglin/CD105 antibody (67075-1-Ig, Clone: 2D5E8) at dilution of 1:10000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67075-1-Ig (Endoglin/CD105 antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human placenta tissue using Endoglin/CD105 antibody (67075-1-Ig, Clone: 2D5E8) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).