

Nur für Forschungszwecke

# Endoglin/CD105 Monoklonaler Antikörper



Katalog-Nr.: 67075-1-Ig **4 Publikationen**

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 67075-1-Ig	<b>GenBank-Zugangsnummer:</b> BC014271	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 2100 µg/ml von 2022 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> endoglin	<b>CloneNo.:</b> 2D5E8
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> endoglin	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:20000 IHC 1:10000-1:40000 IF 1:5000-1:20000
<b>Isotyp:</b> IgG2b	<b>Berechnete Masse:</b> 71 kDa	
<b>Immunogen Katalognummer:</b> AG27837	<b>Beobachtete Masse:</b> 95-100 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IF, IHC, WB, ELISA	<b>Positivkontrollen:</b> <b>WB:</b> HL-60-Zellen, humanes Plazenta-Gewebe, HUVEC-Zellen <b>IHC:</b> humanes Mammakarzinomgewebe, humanes Nierenzellkarzinomgewebe, humanes Plazenta-Gewebe, humanes Tonsillitisgewebe <b>IF:</b> humanes Tonsillitisgewebe, humanes Leberkarzinomgewebe
<b>In Publikationen genannte Anwendungen:</b> FC, IF, IHC	
<b>Getestete Reaktivität:</b> Human	
<b>Zitierte Arten:</b> Human, Maus, Ratte	
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

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)

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

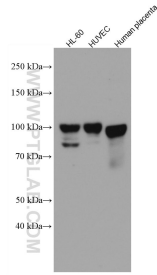
**Lagerungsbedingungen:**  
Bei -20°C lagern.  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

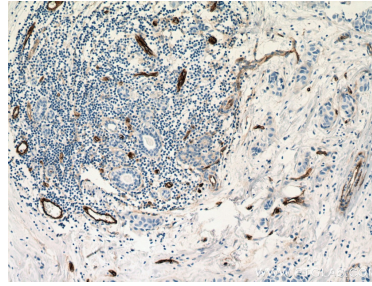
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

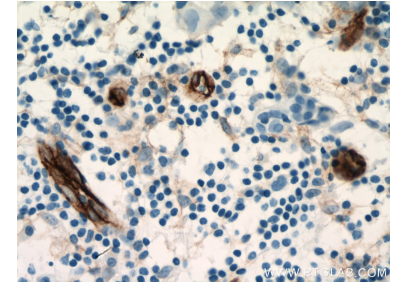
## Ausgewählte Validierungsdaten



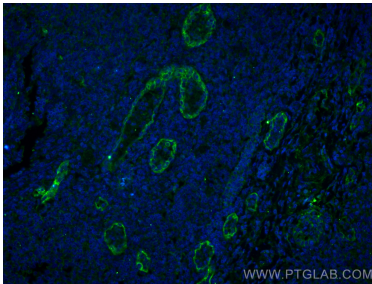
Various lysates were subjected to SDS PAGE followed by western blot with 67075-1-Ig (Endoglin/CD105 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



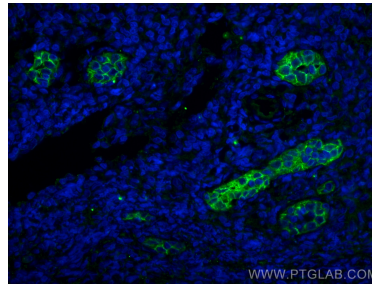
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67075-1-Ig (Endoglin/CD105 antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



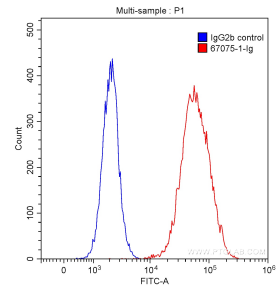
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67075-1-Ig (Endoglin/CD105 antibody) at dilution of 1:20000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



$1 \times 10^6$  HUVEC cells were stained with 0.20 ug Anti-Human Endoglin/CD105 (67075-1-Ig, Clone:2D5E8) (red) or 0.20 ug control antibody (blue) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution of 1:1000. Cells were fixed with 90% MeOH.