

For Research Use Only



# CoraLite®555-conjugated Endoglin/CD105 Monoclonal antibody

Catalog Number: **CL555-67075**

## Basic Information

<b>Catalog Number:</b> CL555-67075	<b>GenBank Accession Number:</b> BC014271	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 2022	<b>CloneNo.:</b> 2D5E8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P17813	<b>Recommended Dilutions:</b> IF 1:300-1:1200
<b>Isotype:</b> IgG2b	<b>Full Name:</b> endoglin	<b>Excitation/Emission maxima wavelengths:</b> 557 nm / 570nm
<b>Immunogen Catalog Number:</b> AG27837	<b>Calculated MW:</b> 71 kDa	
	<b>Observed MW:</b> 95-100 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF : human tonsillitis tissue, human breast cancer tissue
<b>Species Specificity:</b> Human	

## 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)

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

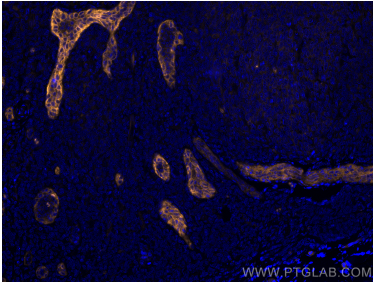
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

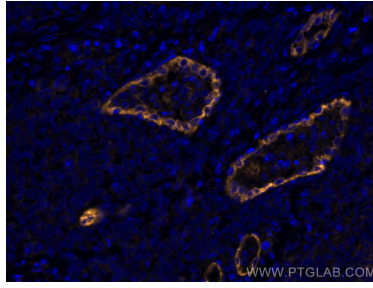
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®555 Endoglin/CD105 antibody (CL555-67075, Clone: 2D5E8 ) at dilution of 1:600.



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