

For Research Use Only

# CoraLite®555-conjugated Endoglin/CD105 Monoclonal antibody

Catalog Number:CL555-67075



## Basic Information

Catalog Number:

CL555-67075

Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG27837

GenBank Accession Number:

BC014271

GeneID (NCBI):

2022

UNIPROT ID:

P17813

Full Name:

endoglin

Calculated MW:

71 kDa

Observed MW:

95-100 kDa

Purification Method:

Protein A purification

CloneNo.:

2D5E8

Recommended Dilutions:

IF-P 1:300-1:1200

Excitation/Emission maxima  
wavelengths:

557 nm / 570nm

## Applications

Tested Applications:

IF-P

Species Specificity:

Human

Positive Controls:

IF-P : human tonsillitis tissue, human breast cancer  
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- $\beta$ ) 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. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

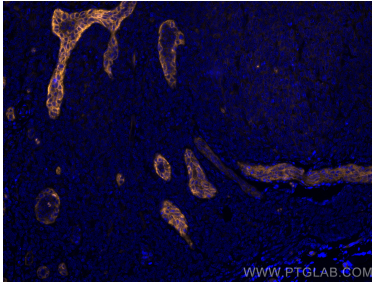
For technical support and original validation data for this product please contact:

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

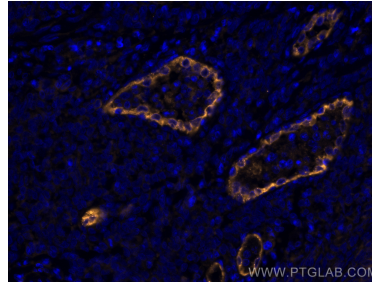
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other manufacturer.

## 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.



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