For Research Use Only

# CoraLite® Plus 647-conjugated Endoglin/CD105 Monoclonal antibody

Catalog Number:CL647-67075 1 Publications

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Antibodies | ELISA kits | Proteins
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## Basic Information

Catalog Number:
CL647-67075

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: 1:50-1:500

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

## Applications

Tested Applications:
IF-P

Species Specificity:
human

Positive Controls:

IF-P : human tonsillitis 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 (TFG-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 |
|---|---|---|---|
| Lu He | 42873400 | Neurochem Res | |

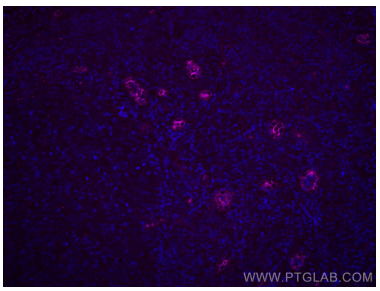
## Storage

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, pH7.3
Aliquoting is unnecessary for -20°C storage

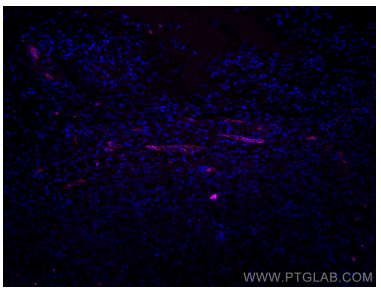
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

## Selected Validation Data




Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 647 Endoglin/CD105 antibody (CL647-67075, Clone: 2D5E8 ) at dilution of 1:200.

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