

For Research Use Only

# CoraLite® Plus 488-conjugated Endoglin/CD105 Recombinant antibody

Catalog Number:CL488-82993-5



## Basic Information

**Catalog Number:**

CL488-82993-5

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC014271

**GeneID (NCBI):**

2022

**UNIPROT ID:**

P17813

**Full Name:**

endoglin

**Calculated MW:**

71 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

230047E8

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human

**Positive Controls:**

IF/ICC : HUVEC cells,

## 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. 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:

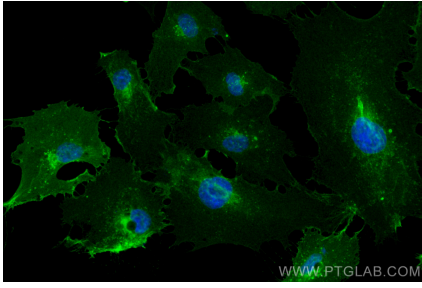
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HUVEC cells using Coralite® Plus 488 Endoglin/CD105 antibody (CL488-82993-5, Clone: 230047E8 ) at dilution of 1:200.