

Datasheet for ABIN7274511

**Endoglin Protein (ENG) (His-Avi Tag)**

## 4 Images

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## Overview

Quantity:	100 µg
Target:	Endoglin (ENG)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Endoglin protein is labelled with His-Avi Tag.

## Product Details

Sequence:	Glu26-Gly586
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Endoglin, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-Endoglin Antibody, hFc Tag with the EC50 of 13.4ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	Endoglin (ENG)
Alternative Name:	Endoglin ( <a href="#">ENG Products</a> )
Background:	CD105, Endoglin, ENG, ORW, ORW1, END, HHT1, Endoglin (CD105) is a 90 kDa type I transmembrane glycoprotein of the zona pellucida (ZP) family of proteins. Endoglin is a

## Target Details

vascular endothelium glycoprotein that plays an important role in the regulation of angiogenesis. Required for normal structure and integrity of adult vasculature (PubMed:7894484). Regulates the migration of vascular endothelial cells. Required for normal extraembryonic angiogenesis and for embryonic heart development. May regulate endothelial cell shape changes in response to blood flow, which drive vascular remodeling and establishment of normal vascular morphology during angiogenesis.

Molecular Weight: 63.7 kDa. Due to glycosylation, the protein migrates to 70-82 kDa based on Tris-Bis PAGE result.

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

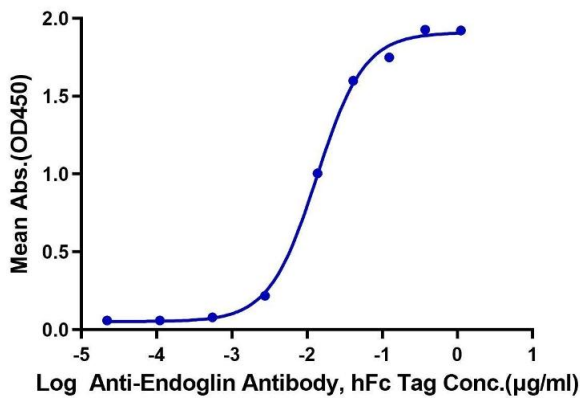
Storage: 4 °C,-80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

Human Endoglin, His Tag ELISA

0.5µg Human Endoglin, His Tag Per Well

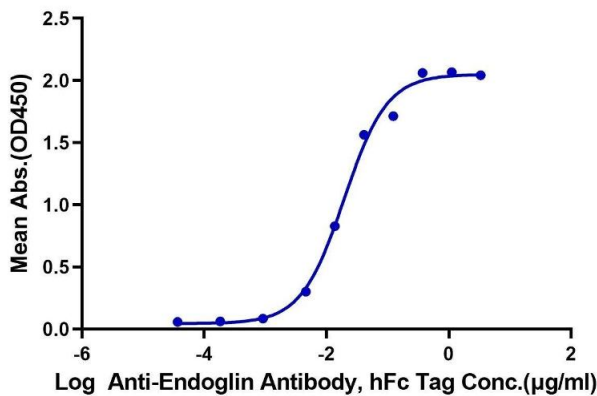


ELISA

**Image 1.** Immobilized Human Endoglin, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-Endoglin Antibody, hFc Tag with the EC<sub>50</sub> of 13.4 ng/mL determined by ELISA.

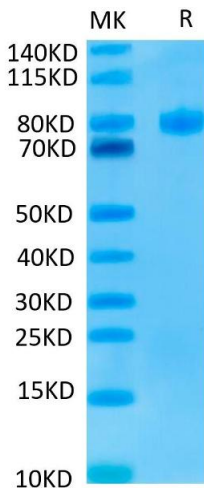
Human Endoglin, His Tag ELISA

0.5µg Human Endoglin, His Tag Per Well



ELISA

**Image 2.** Immobilized Human Endoglin at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-Endoglin Antibody, hFc Tag with the EC<sub>50</sub> of 19.4 ng/mL determined by ELISA.



SDS-PAGE

**Image 3.** Human Endoglin on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274511.