

# CD105/Endoglin Rabbit mAb

Catalog No.: A25376 **Recombinant**

## Basic Information

**Observed MW**

90kDa

**Calculated MW**

70kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, FC

**Cross-Reactivity**

Mouse

**CloneNo number**

ARC66234

## Background

Enables protein homodimerization activity and transforming growth factor beta binding activity. Involved in several processes, including circulatory system development; positive regulation of cell differentiation; and regulation of gene expression. Acts upstream of or within circulatory system development and positive regulation of angiogenesis. Located in endothelial microparticle. Is expressed in several structures, including brain; cardiovascular system; extraembryonic vascular system; and lung. Used to study arteriovenous malformations of the brain and hereditary hemorrhagic telangiectasia. Human ortholog(s) of this gene implicated in arteriovenous malformation; arteriovenous malformations of the brain; breast cancer; hereditary hemorrhagic telangiectasia; and intracranial aneurysm. Orthologous to human ENG (endoglin).

## Recommended Dilutions

**WB** 1:1000 - 1:5000**FC** 1:500 - 1:1000

## Immunogen Information

**Gene ID**

13805

**Swiss Prot**

Q63961

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 27-581 of mouse CD105 (NP\_031958.2).

**Synonyms**

Endo; CD105; S-endoglin

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

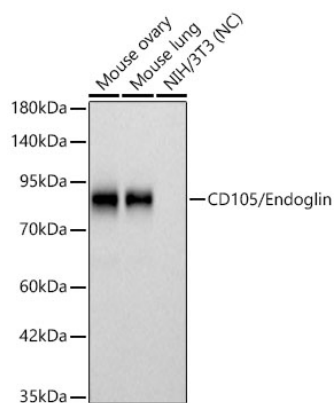
Affinity purification

**Storage**

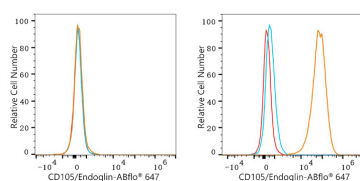
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

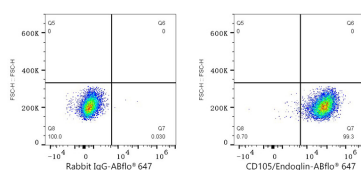
## Validation Data



Western blot analysis of various lysates using CD105/Endoglin Rabbit mAb (A25376) at 1:2000 dilution.  
 Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(A5014) at 1:10000 dilution.  
 Lysates/proteins: 25 µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection:ECL Basic Kit (RM00020).  
 Negative control (NC): NIH/3T3.  
 Exposure time: 30s.



Flow cytometry:  $1 \times 10^6$  NIH/3T3 cells (negative control, left) and bEnd.3 cells (right) were surface-stained with CD105/Endoglin Rabbit mAb (A25376, 2 µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  bEnd.3 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, left) or CD105/Endoglin Rabbit mAb (A25376, 2 µg/mL, right).