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CD105/Endoglin Rabbit mAb

Catalog No.: A25376 Recombinant

Basic Information

Observed MW
90kDa

Calculated MW
70kDa

Category
Primary antibody

Applications
WB,FC,ELISA

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
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
13805

Swiss Prot
Q63961

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
Endo; CD105; S-endoglin

Contact

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Product Information

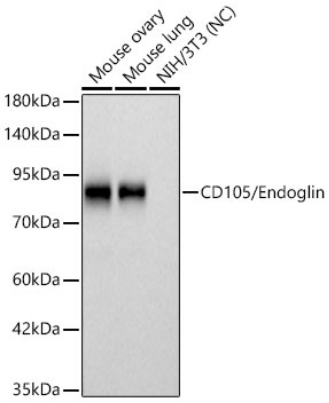
Source
Rabbit

Isotype
IgG

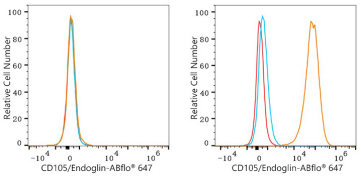
Purification
Affinity purification

Storage
Store at -20℃

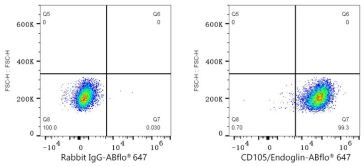
Validation Data



Western blot analysis of various lysates using CD105/Endoglin Rabbit mAb (A25376) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) 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: 1X10^6 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: 1X10^6 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).