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PE/Cyanine7 Rabbit anti-Mouse CD105/Endoglin mAb

Catalog No.: A28039

Basic Information

Observed MW

Calculated MW
70kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Mouse

CloneNo number
ARC66234

Conjugate
PE-Cy7. Ex:565nm. Em:778nm.

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

FC	≤0.5 μg per million cells in 100 μl volume

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

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

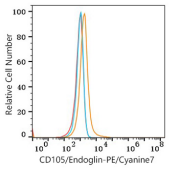
Source
Rabbit

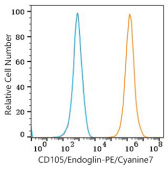
Isotype
IgG

Purification
Affinity purification

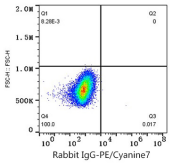
Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

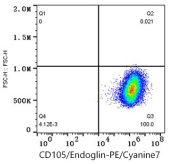
Validation Data





Flow cytometry: 1X10^6 NIH/3T3 cells (negative control,left) and bEnd.3 cells (right) were surface-stained with PE/Cyanine7 Rabbit anti-Mouse CD105/Endoglin mAb (A28039,0.5 µg,orange line) or PE/Cyanine7 Rabbit IgG isotype control (0.5 µg,blue line). Non-fluorescently stained cells were used as blank control (red line).





Flow cytometry:1X10^6 bEnd.3 cells were surface-stained with PE/Cyanine7 Rabbit IgG isotype control (0.5 µg,left) or PE/Cyanine7 Rabbit anti-Mouse CD105/Endoglin mAb (A28039,0.5 µg,right).