

ABflo® 647 Rabbit anti-Mouse CD105/Endoglin mAb

Catalog No.: A25378

Basic Information

Observed MW

Calculated MW

70kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ARC66234

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

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).

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

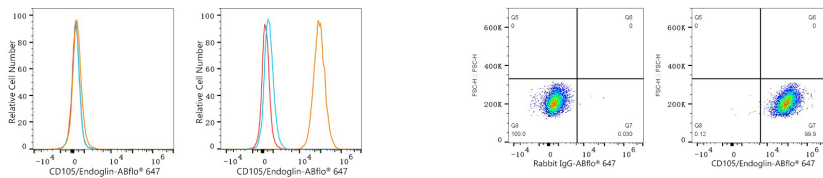
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Flow cytometry: 1×10^6 NIH/3T3 cells (negative control, left) and bEnd.3 cells (right) were surface-stained with ABflo® 647 Rabbit anti-Mouse CD105/Endoglin mAb (A25378, 5 μ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 bEnd.3 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-Mouse CD105/Endoglin mAb (A25378, 5 μ l/Test, right).