Leader in Biomolecular Solutions for Life Science

APC Rabbit anti-Mouse CD309/VEGFR2 mAb

Catalog No.: A30030

Recombinant

www.abclonal.com

Basic Information

Observed MW

Calculated MW

Category
Monoclonal Antibodies

Applications
FC

Cross Reactivity
Mouse

Clone No.
ARC66462

Background

Enables coreceptor activity; growth factor binding activity; and vascular endothelial growth factor receptor activity. Involved in several processes, including cell surface receptor signaling pathway; positive regulation of BMP signaling pathway; and positive regulation of cell migration involved in sprouting angiogenesis. Acts upstream of or within several processes, including positive regulation of cell population proliferation; post-embryonic camera-type eye morphogenesis; and vasculature development. Located in several cellular components, including cell junction; endosome; and external side of plasma membrane. Is expressed in several structures, including alimentary system; cardiovascular system; central nervous system; extraembryonic component; and genitourinary system. Human ortholog(s) of this gene implicated in several diseases, including artery disease (multiple); breast angiosarcoma; gastrointestinal system cancer (multiple); macular degeneration (multiple); and pancreatic cancer (multiple). Orthologous to human KDR (kinase insert domain receptor).

Recommended Dilutions

FC
≤0.5 μg per million cells in 100 μl volume

Immunogen Information

Gene ID
16542

Swiss-Prot
P35918

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

Synonyms
6130401C07; Flk-1; Flk1; Krd-1; Ly73; VEGFR-2; VEGFR2; orv; sVEGFR-2

Contact

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Product Information

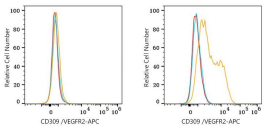
Source
Rabbit

Isotype
IgG

Purity
Affinity purification

Storage
Store at 2-8℃. Avoid freeze / thaw cycles.
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 APC Rabbit anti-Mouse CD309/VEGFR2 mAb (A30030,0.5 µg,orange line) or APC Rabbit IgG isotype control (A24173,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).