

PE Rabbit anti-Human VEGFR-3/FLT-4 mAb

Catalog No.: A28354

Basic Information

Observed MW

Calculated MW

153 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC78137

Conjugate

PE. Ex:565nm. Em:574nm.

Background

Vascular Endothelial Growth Factor Receptor 3 (VEGFR3) is a 195 kDa transmembrane receptor tyrosine kinase. The VEGF receptor features seven extracellular immunoglobulin-like (Ig) domains, a single transmembrane domain, and a conserved intracellular tyrosine kinase domain. In adults, VEGFR3 expression is primarily restricted to lymphatic endothelial cells and is known to govern lymphangiogenesis. The binding of VEGF-C or VEGF-D to VEGFR3 induces trans-phosphorylation of tyrosine residues within its intracellular domain. This phosphorylation event facilitates the recruitment of downstream signaling molecules, ultimately leading to the activation of the ERK1/2 and Akt signaling cascades.

Recommended Dilutions

FC 5 μ l per 10^6 cells in 100 μ l volume

Immunogen Information

Gene ID

2324

Swiss Prot

P35916

Immunogen

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

Synonyms

PCL; CHTD7; FLT-4; FLT41; LMPH1A; LMPHM1; VEGFR3; VEGFR-3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

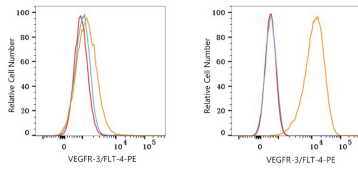
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1X10⁶ MCF7 cells (low expression, left) and HEL cells (right) were surface-stained with PE Rabbit anti-Human VEGFR-3/FLT-4 mAb (A28354, 5 µl/Test, orange line) or PE Rabbit IgG isotype control (A24172, 5 µl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).