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

ABclonal

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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 μl per 10^6 cells in 100 μl volume

Immunogen Information

Gene ID 2324

Immunogen

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

Swiss Prot

P35916

Synonyms

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

Contact

a		400-999-6126
\bowtie		cn.market@abclonal.com.cn
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Product Information

SourceIsotypePurificationRabbitIgGAffinity 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: 1X10^6 MCF7 cells (low expression,left) and HEL cells (right) were 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). Nonfluorescently stained cells were used as blank control (red line).