

ABflo® 700 Rabbit anti-Human CD304/Neuropilin-1 mAb

Catalog No.: A26479

Basic Information

Observed MW

Refer to figures

Calculated MW

68kDa/71kDa/103kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC55418-ABflo700

Conjugate

ABflo® 700. Ex:690nm. Em:713nm.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Background

This gene encodes one of two neuropilins, which contain specific protein domains which allow them to participate in several different types of signaling pathways that control cell migration. Neuropilins contain a large N-terminal extracellular domain, made up of complement-binding, coagulation factor V/VIII, and meprin domains. These proteins also contains a short membrane-spanning domain and a small cytoplasmic domain. Neuropilins bind many ligands and various types of co-receptors; they affect cell survival, migration, and attraction. Some of the ligands and co-receptors bound by neuropilins are vascular endothelial growth factor (VEGF) and semaphorin family members. This protein has also been determined to act as a co-receptor for SARS-CoV-2 (which causes COVID-19) to infect host cells.

Immunogen Information

Gene ID
8829

Swiss Prot
O14786

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 22-644 of human CD304/Neuropilin-1 (NP_003864.5).

Synonyms

NP1; NRP; BDCA4; CD304; VEGF165R

Contact

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Product Information

Source
Rabbit

Isotype
IgG

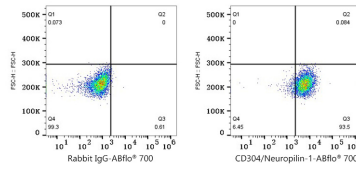
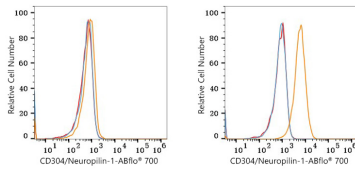
Purification
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1×10^6 K-562 cells (negative control, left) and A549 cells (right) were surface-stained with ABflo® 700 Rabbit anti-Human CD304/Neuropilin-1 mAb (A26479,5 $\mu\text{l}/\text{Test}$, orange line) or ABflo® 700 Rabbit IgG isotype control (A25976,5 $\mu\text{l}/\text{Test}$, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 A549 cells were surface-stained with ABflo® 700 Rabbit IgG isotype control (A25976,5 $\mu\text{l}/\text{Test}$, left) or ABflo® 700 Rabbit anti-Human CD304/Neuropilin-1 mAb (A26479,5 $\mu\text{l}/\text{Test}$, right).