

# ABflo® 594 Rabbit anti-Human CD304/Neuropilin-1 mAb

Catalog No.: A24592

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

68kDa/71kDa/103kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC55418-ABflo594

### Conjugate

ABflo® 594. Ex:588nm. Em:604nm.

## Recommended Dilutions

FC 5 µl per 10<sup>6</sup> 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. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene.

## 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

NRP1; BDCA4; CD304; NP1; NRP; VEGF165R; neuropilin-1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

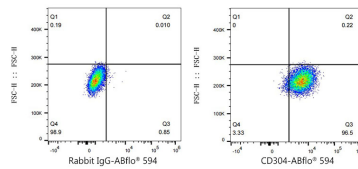
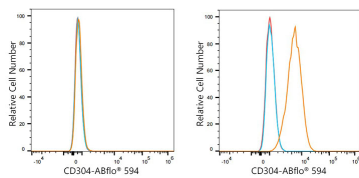
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  K-562 cells (negative control, left) and A549 cells (right) were surface-stained with ABflo® 594 Rabbit anti-Human CD304/Neuropilin-1 mAb (A24592, 5  $\mu$ l/Test, orange line) or ABflo® 594 Rabbit IgG isotype control (A23821, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  A549 cells were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821, 5  $\mu$ l/Test, left) or ABflo® 594 Rabbit anti-Human CD304/Neuropilin-1 mAb (A24592, 5  $\mu$ l/Test, right).