

Neuropilin-1 Rabbit mAb

Catalog No.: A25373 **Recombinant**

Basic Information

Observed MW

Calculated MW

68kDa/71kDa/103kDa

Category

Primary antibody

Applications

ELISA,FC

Cross-Reactivity

Human

CloneNo number

ARC55418

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.

Recommended Dilutions

FC 1:500 - 1:1000

Immunogen Information

Gene ID

8829

Swiss Prot

O14786

Immunogen

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

Synonyms

NP1; NRP; BDCA4; CD304; VEGF165R

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

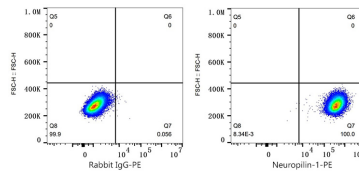
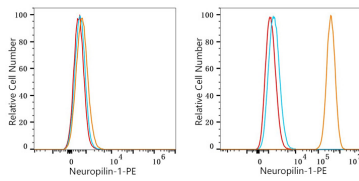
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Flow cytometry: 1×10^6 K-562 cells (negative control, left) and A549 cells (right) were surface-stained with Neuropilin-1 Rabbit mAb (A25373, 2 $\mu\text{g}/\text{mL}$, orange line) or PE Rabbit IgG isotype control (A24172, 5 $\mu\text{l}/\text{Test}$, blue line), followed by PE Donkey anti-rabbit Antibody staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 A549 cells were surface-stained with PE Rabbit IgG isotype control (A24172, 5 $\mu\text{l}/\text{Test}$, left) or Neuropilin-1 Rabbit mAb (A25373, 2 $\mu\text{g}/\text{mL}$, right).