

For Research Use Only

FcZero-rAb® Biotin Anti-Human Neuropilin 1/CD304 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98210



Basic Information

Catalog Number:

Biotin-FcA98210

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2331

GenBank Accession Number:

BC007533

GeneID (NCBI):

8829

UNIPROT ID:

O14786

Full Name:

neuropilin 1

Purification Method:

Protein A purification

CloneNo.:

241812B11

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

Applications

Tested Applications:

FC, ELISA

Species Specificity:

human

Positive Controls:

FC : HUVEC cells,

Background Information

Neuropilin 1 (NRP1), also known as CD304 or VEGF165R, is a type I transmembrane proteins consisting of a small intracellular cytoplasmic domain, a transmembrane domain and an extracellular domain containing a complement-binding CUB domain (a1/a2), a coagulation factor V/VIII (b1/b2) domain, and a meprin or MAM domain (PMID: 24263240; 11886873). It is expressed on plasmacytoid dendritic cells (pDCs), endothelial cells, thymocytes, regulatory T cells, a subset of T follicular helper cells, neurons, and diverse human solid tumors (PMID: 31944572; 14991591; 18704117). Neuropilin 1 is involved in immunity, cardiovascular development, neuronal guidance, cell migration, angiogenesis and cancer pathogenesis (PMID: 24263240).

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

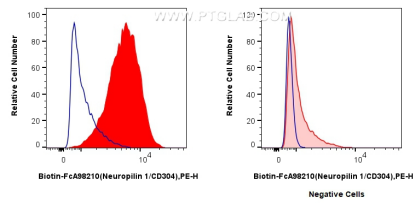
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Selected Validation Data



1x10⁶ HUVEC cells (left) or MCF-7 cells (right) were surface stained with 0.25 ug Biotin Anti-Human Neuropilin 1/CD304 Rabbit RecAb (Biotin-FcA98210, Clone: 241812B11) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.