

For Research Use Only

# CoraLite®594-conjugated Neuropilin 1 Monoclonal antibody



Catalog Number:CL594-60067

## Basic Information

Catalog Number:

CL594-60067

Size:

100ul , Concentration: 2000 µg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG0931

GenBank Accession Number:

BC007737

GeneID (NCBI):

8829

UNIPROT ID:

O14786

Full Name:

neuropilin 1

Calculated MW:

103 kDa

Observed MW:

130 kDa

Purification Method:

Protein G purification

CloneNo.:

2H3F6

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

Species Specificity:

human, pig

## Background Information

Neuropilin-1 (NRP1) is a 130-140 kDa transmembrane glycoprotein expressed by endothelial, dendritic, and regulatory T cells, as well as several other normal cell types and malignant tumor cells. NRP1 was first identified as a semaphorin (SEMA) receptor, involved in axonal guidance in embryonic development. NRP1 was also shown to act as a receptor for vascular endothelial growth factor (VEGF) and a promoter of angiogenesis through its interaction with VEGF-A165 (and other VEGFs) and the receptor tyrosine kinase (RTK) VEGF-R2. NRP1 plays versatile roles in angiogenesis, axon guidance, cell survival, migration, and invasion.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20° C storage

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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