

For Research Use Only

# CoraLite®594-conjugated Neuropilin 1 Monoclonal antibody



Catalog Number:CL594-60067

## Basic Information

<b>Catalog Number:</b> CL594-60067	<b>GenBank Accession Number:</b> BC007737	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 2000 µg/ml	<b>GeneID (NCBI):</b> 8829	<b>CloneNo.:</b> 2H3F6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O14786	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG1	<b>Full Name:</b> neuropilin 1	
<b>Immunogen Catalog Number:</b> AG0931	<b>Calculated MW:</b> 103 kDa	
	<b>Observed MW:</b> 130 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**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:

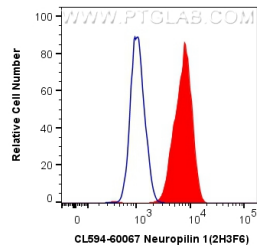
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1X10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.4 ug CoraLite® 594 Anti-Human Neuropilin 1 (CL594-60067, Clone:2H3F6) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).