



## Rat Anti-Mouse NRP1 Monoclonal Antibody, clone 872815 (CABT-Z390R)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse Neuropilin-1 (Phe21-Pro856).
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	872815
<b>Purification</b>	Protein A or G purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	FC, Neut, Conjugation Recommended concentration: FC: 2.5 µg/10 <sup>6</sup> cells
<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 mg/mL.
<b>Format</b>	Lyophilized
<b>Size</b>	100 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## BACKGROUND

### Introduction

Neuropilin-1 is a type I transmembrane protein that is expressed in the developing nervous system and by endothelial and tumor cells. Neuropilin-1 binds members of the class III secreted semaphorin subfamily as well as some isoforms of VEGF family proteins. The amino acid sequence of rat Neuropilin-1 extracellular domain is 98% and 93% identical to that of mouse and human Neuropilin-1, respectively.

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### Keywords

BDCA4;BDCA-4;CD304 antigen;CD304;DKFZp686A03134;DKFZp781F1414;neuropilin 1;Neuropilin1;Neuropilin-1;NP1;NRP;NRP1;transmembrane receptor;Vascular endothelial cell growth factor 165 receptor;VEGF165R

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## GENE INFORMATION

### Gene Name

Nrp1

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### Entrez Gene ID

[18186](#)

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### UniProt ID

[P97333](#)

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