

DATASHEET
Neuropilin 1 Mouse Monoclonal Antibody(C2877)
CAT. NO. AMA02489
KEY FEATURES

Target	Neuropilin 1	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Cell-surface receptor involved in the development of the cardiovascular system, in angiogenesis, in the formation of certain neuronal circuits and in organogenesis outside the nervous system. Mediates the chemorepulsant activity of semaphorins . Recognizes a C-end rule (CendR) motif R/KXXR/K on its ligands which causes cellular internalization and vascular leakage . It binds to semaphorin 3A, the PLGF-2 isoform of PGF, the VEGF165 isoform of VEGFA and VEGFB . Coexpression with KDR results in increased VEGF165 binding to KDR as well as increased chemotaxis. Regulates VEGF-induced angiogenesis.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to Neuropilin 1
Specificity	Recognizes endogenous levels of Neuropilin 1 protein
Antibody Type	Primary antibody
Immunogen	Synthesized peptide of human Neuropilin 1
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 103 kD; Observed: 97 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	NRP; VEGF165R; Neuropilin-1; Vascular endothelial cell growth factor 165 receptor; CD304
Gene Symbol	NRP1
Entrez Gene	8829(Human)
SwissProt	O14786(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

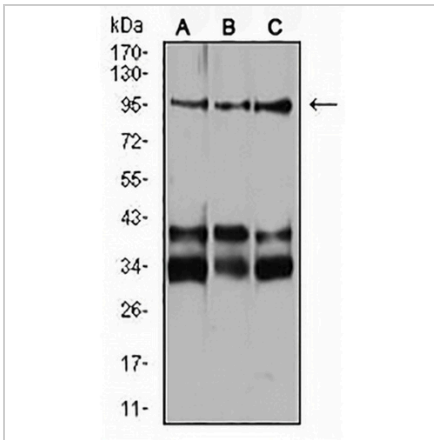
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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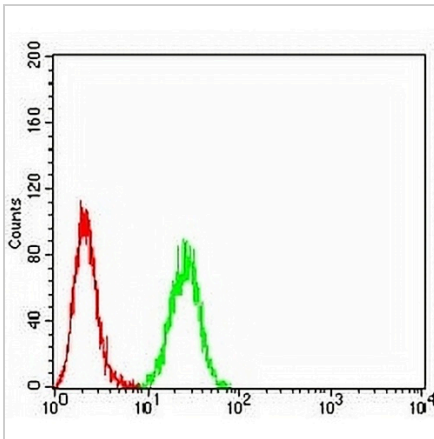
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DATA



Western blot analysis of Neuropilin 1 expression in Jurkat (A), HeLa (B), HUVEC (C) whole cell lysates. (Predicted band size: 103 kD; Observed band size: 97 kD)



Flow cytometric analysis of HeLa cells using Anti-Neuropilin 1 Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.