

Datasheet for ABIN2664540
anti-Neuropilin 1 antibody



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Overview

Quantity:	100 µg
Target:	Neuropilin 1 (NRP1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Neuropilin 1 antibody is un-conjugated
Application:	ELISA (Capture), ELISpot (Capture) (ELISPOT (Capture))

Product Details

Clone:	12C2
Isotype:	IgG2a kappa
Purification:	The antibody was purified by affinity chromatography.

Target Details

Target:	Neuropilin 1 (NRP1)
Alternative Name:	CD304 (NRP1 Products)
Background:	CD304, also known as neuropilin-1, BDCA-4 and VEGF165R, is a 140 kD type I transmembrane protein. Its extracellular region contains two CUB, two FV/FVIII, and one MAM domain, a soluble isoform is produced by alternative mRNA splicing. CD304 is involved in angiogenesis, neural development, and tumor metastasis. It is expressed by plasmacytoid dendritic cells, thymocytes, neurons, endothelium, and a subset of TFH cells. CD304 is also expressed in

Target Details

	several carcinomas, and a high expression of this molecule in prostate cancer correlates with a poor prognosis.
Pathways:	Regulation of Cell Size , Signaling Events mediated by VEGFR1 and VEGFR2 , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling , VEGFR1 Specific Signals

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C.