

Neuropilin-1 ELISA Kit | NRP1 elisa kit

Human Neuropilin-1 PicoKine ELISA Kit

CATALOG #
AAA46099

REACTIVITY
Human. There is no detectable cross-reactivity with other relevant proteins.

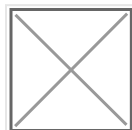
PRODUCT SYNONYMS

Neuropilin-1; Human Neuropilin-1 PicoKine ELISA Kit; A5 protein; BDCA4; BLOOD DENDRITIC CELL ANTIGEN 4; CD 304; CD304; DKFZp686A03134; DKFZp781F1414; Neuropilin1; Neuropilin1 transmembrane receptor; NP1; NPN1; NRP 1; NRP; NRP1; NRP1_HUMAN; Vascular endothelial cell growth factor 165 receptor; VEGF165R ; neuropilin 1; NRP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human. There is no detectable cross-reactivity with other relevant proteins.
Sequence Length	644
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Sensitivity	<20pg/ml
Immunogen	NSO, F22-K644
Intra-Assay Precision	Sample 1: n=16; Mean(ng/ml): 6.8; Standard deviation: 0.374; CV(%): 5.5 Sample 2: n=16; Mean(ng/ml): 16; Standard deviation: 0.752; CV(%): 4.7 Sample 3: n=16; Mean(ng/ml): 25; Standard deviation: 0.85; CV(%): 3.4
Inter-Assay Precision	Sample 1: n=24; Mean(ng/ml): 7.3; Standard deviation: 0.445; CV(%): 6.1 Sample 2: n=24; Mean(ng/ml): 20; Standard deviation: 1.04; CV(%): 5.2 Sample 3: n=24; Mean(ng/ml): 31; Standard deviation: 1.49; CV(%): 4.8
Assay Range	0.78ng/ml-50ng/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Neuropilin-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for NRP1 elisa kit	Description: Sandwich ELISA kit of Quantitative Detection for Human Neuropilin-1 Background: NRP1(Neuropilin 1) also known as NP1, NRP, BDCA4 or VEGF165R, is a membrane-bound coreceptor to a tyrosine kinase receptor for both vascular endothelial growth factor (VEGF) and semaphorin family members. NRP1 plays versatile roles in angiogenesis, axon guidance, cell survival, migration, and invasion. By somatic cell hybrid analysis, the NRP1 gene was mapped to chromosome 10. NRP1 bounds PGF1 with lower affinity. NRP1-mediated interactions are a necessary element in the initiation of the primary immune response and offer another example, like that of agrin, of a molecule shared by neurologic and immunologic synapses. After T-cell contact with DC, T-cell NRP1 colocalized with CD3 in the immunologic synapse and, sometimes, also at the opposite pole of the T cell. Soluble NRP1 interacts in a homophilic fashion with NRP1 on both DC and T cells, and this binding can be inhibited by blocking antibodies to NRP1. Furthermore, selective NRP1 inhibition in this model suppressed neovascular formation substantially.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66912178
NCBI GeneID	8829
NCBI Accession #	NP_001019799.1
NCBI GenBank Nucleotide #	NM_001024628.2
UniProt Accession #	O14786; O60461; Q5T7F1; Q5T7F2; Q5T7F3; Q86T59; Q96I90; Q96IH5; B0LPG9
Molecular Weight	68,376 Da
NCBI Official Full Name	neuropilin-1 isoform b
NCBI Official Synonym Full Names	neuropilin 1
NCBI Official Symbol	NRP1
NCBI Official Synonym Symbols	NP1; NRP; BDCA4; CD304; VEGF165R
NCBI Protein Information	neuropilin-1; transmembrane receptor; vascular endothelial cell growth factor 165 receptor
UniProt Protein Name	Neuropilin-1
UniProt Gene Name	NRP1
UniProt Synonym Gene Names	NRP; VEGF165R
UniProt Entry Name	NRP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/nrp1-human-elisa-kits/neuropilin-1/46099>