

Human Neuropilin-2/NRP2 ELISA Kit | NRP2 elisa kit

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CATALOG #
AAA258378

REACTIVITY
Human

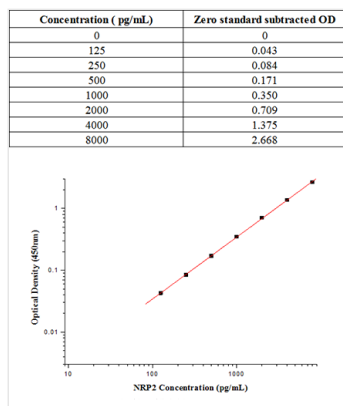
PRODUCT SYNONYMS

Neuropilin-2/NRP2; Human Neuropilin-2/NRP2 ELISA Kit; Neuropilin-2 ELISA Kit; Human; neuropilin 2; NP2 ELISA Kit; NPN2 ELISA Kit; PRO2714 ELISA Kit; VEGF165R2 ELISA Kit; NRP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human Neuropilin-2/NRP2 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	125-8000pg/mL
Sensitivity	42.98pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for NRP2 elisa kit	This Neuropilin-2 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human Neuropilin-2 protein in Serum. It contains recombinant Human Neuropilin-2, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Neuropilin-2 (NRP-2) which is related to NRP-1, is a type I transmembrane glycoprotein and has the structure characteristic with five main extracellular domains: two complement binding (CUB) domains, two coagulation factor V/VIII homology domains, and a MAM (meprin, tyrosine phosphatase domain) region. NRP-2 is a receptor capable of binding two disparate ligands, classIII semaphorins (SEMA) and vascular endothelial growth factors (VEGF), and thus regulates two diverse systems by activating cellular signaling pathways via interacting with other cell surface receptors such as VEGF receptors and plexins. NRP-2 is well known for its role in facilitating axonal guidance during the development of the neuronal system, and additionally, it is also expressed in vascular endothelial cells and lymphatic endothelium where it affects proliferation, migration, angiogenesis, as well as the formation of small lymphatic vessels and capillaries. A recent study has identified NRP-2 as a polysialylation protein expressed in human dendritic cells and modulates DC-T Cell Interactions. Nearly all tumor cells express neuropilins and NRP-2 is predominantly expressed in neuronal tumors and melanomas. Furthermore, it is suggested that as the specific ligand for NRP-2, SEMA 3F inhibits tumor angiogenesis, and metastasis.
References	Chen H. et al., 1997, Neuron. 19: 547-59. Bielenberg DR. et al., 2006, Exp Cell Res. 312: 584-93. Yuan L. et al., 2002, Development. 129: 4797-806. Benoit F. et al., 2006, Blood. 108: 1243-50. Sabrina C. et al., 2007, J Biol Chem. 282: 30346-56. Gray MJ. et al., 2008, J Natl Cancer Inst. 100: 109-20.

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.