

Rat CD304 ELISA Kit | NRP1 elisa kit

Rat CD304 ELISA Kit

CATALOG # AAA261747	REACTIVITY Rat	APPLICATIONS ELISA
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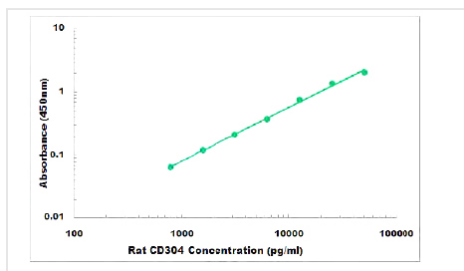
PRODUCT SYNONYMS

CD304; Rat CD304 ELISA Kit; NRP; VEGF165R; Neuropilin-1; Vascular endothelial cell growth factor 165 receptor; NRP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat CD304 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat CD304 proteins within the range of 780 pg/ml - 50000 pg/ml.
Sequence Length	922
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	20 pg/ml.
Applicable Applications for NRP1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NRP1 elisa kit	Principle of the Assay The Rat CD304 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat CD304 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Rat CD304 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD304 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat CD304 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD304 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: 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 binds 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 #	9297002
NCBI GeneID	246331
UniProt Accession #	Q9QWJ9
Molecular Weight	103,082 Da
NCBI Official Full Name	Neuropilin-1
NCBI Official Synonym Full Names	neuropilin 1
NCBI Official Symbol	Nrp1
NCBI Official Synonym Symbols	Nrp
NCBI Protein Information	neuropilin-1
UniProt Protein Name	Neuropilin-1
UniProt Gene Name	Nrp1
UniProt Entry Name	NRP1_RAT

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.