

Human Netrin 1 ELISA Kit | Ntn1 elisa kit

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CATALOG #
AAA16286

REACTIVITY
Human

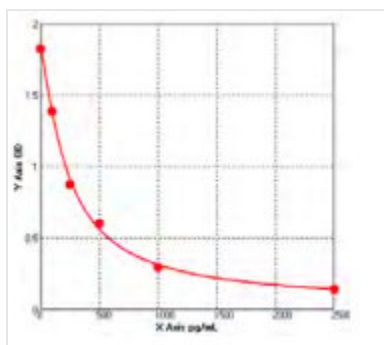
PRODUCT SYNONYMS

Netrin 1; Human Netrin 1 ELISA Kit; Ntn1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NTN1. No significant cross-reactivity or interference between NTN1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NTN1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ntn1 elisa kit	Principle of the Assay: NTN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NTN1 antibody and an NTN1-HRP conjugate. The assay sample and buffer are incubated together with NTN1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NTN1 concentration since NTN1 from samples and NTN1-HRP conjugate compete for the anti-NTN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by NTN1 from the sample, fewer sites are left to bind NTN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NTN1 concentration in each sample is interpolated from this standard curve. Intended Uses: This NTN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human NTN1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for Ntn1 elisa kit	Neurobiology
References	Netrin-1 and Semaphorin 3A Predict the Development of Acute Kidney Injury in Liver Transplant Patients . Lidia Lewandowska, Joanna Matuszkiewicz-Rowińska, Calpurnia Jayakumar, Urszula Oldakowska-Jedynak, Stephen Looney, Michalina Galas, Małgorzata Dutkiewicz, Marek Krawczyk, Ganesan Ramesh (2014)

NCBI AND UNIPROT INFORMATION

NCBI GI #	148613884
NCBI GeneID	9423
NCBI Accession #	NP_004813.2
NCBI GenBank Nucleotide #	NM_004822.2
Molecular Weight	67,748 Da
NCBI Official Full Name	netrin-1
NCBI Official Synonym Full Names	netrin 1
NCBI Official Symbol	NTN1
NCBI Official Synonym Symbols	NTN1L
NCBI Protein Information	netrin-1; netrin 1, mouse, homolog of; epididymis tissue protein Li 131P
UniProt Protein Name	Netrin-1
UniProt Gene Name	NTN1
UniProt Synonym Gene Names	NTN1L
UniProt Entry Name	NET1_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.