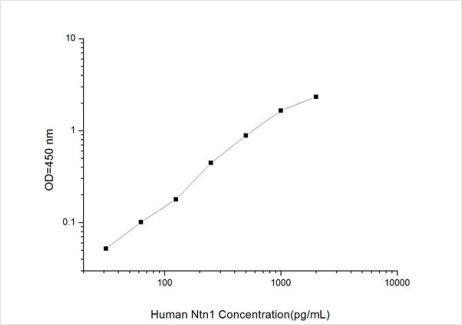
Ntn1 ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Ntn1, ELISA Kit
Full Product Name	Human Ntn1(Netrin 1)ELISA Kit
Product Gene Name	Ntn1 elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma, Biological Fluids
Detection Range	31.25-2000pg/mL
Sensitivity	Min: 18.75pg/mL; Max: 2000pg/mL
Specificity	This kit recognizes natural and recombinant Human Ntn1. No significant cross-reactivity or interference between Human Ntn1 and analogues was observed.
Preparation and Storage	Store at 4 degree C.
Molecular Weight	67,748 Da
OMIM	601614
3D Structure	ModBase 3D Structure for O95631
Intended Uses	This ELISA kit applies to the in vitro quantitative determination of Human Ntn1 concentrations in serum, plasma and other biological fluids.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ntn1 elisa kit	**Principle of the assay:** This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Ntn1. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Ntn1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Ntn1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Ntn1. You can calculate the concentration of Ntn1 in the samples by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of Ntn1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Ntn1 purchase	MBS2504380 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Ntn1, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing Ntn1. The ELISA analytical biochemical technique of the MBS2504380 kit is based on Ntn1 antibody-Ntn1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Ntn1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Ntn1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of Ntn1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Ntn1. It may not necessarily be applicable to this product.

NCBI GI #	148613884
NCBI GeneID	9423
NCBI Accession #	NP_004813.2
UniProt Primary Accession #	O95631
UniProt Secondary Accession #	E9KL51
UniProt Related Accession #	O95631
GenBank Nucleotide #	NM_004822.2
NCBI Official Full Name	netrin-1
NCBI Official Synonym Full Names	netrin 1
NCBI Official Symbol	NTN1
NCBI Official Synonym Symbols	NTN1L
UniProt Protein Name	Netrin-1
UniProt Synonym Protein Names	Epididymis tissue protein Li 131P
Protein Family	Netrin
UniProt Gene Name	NTN1
UniProt Synonym Gene Names	NTN1L
UniProt Entry Name	NET1_HUMAN
NCBI Protein Information	netrin-1; epididymis tissue protein Li 131P; netrin 1, mouse, homolog of
NCBI Summary for Ntn1	Netrin is included in a family of laminin-related secreted proteins. The function of this gene has not yet been defined; however, netrin is thought to be involved in axon guidance and cell migration during development. Mutations and loss of expression of netrin suggest that variation in netrin may be involved in cancer development. [provided by RefSeq, Jul 2008]

UniProt Comments for Ntn1	NTN1: Netrins control guidance of CNS commissural axons and peripheral motor axons. Its association with either DCC or some UNC5 receptors will lead to axon attraction or repulsion, respectively. It also serve as a survival factor via its association with its receptors which prevent the initiation of apoptosis. Involved in tumorigenesis by regulating apoptosis. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 17p13.1 Cellular Component: cytoplasm; extracellular region; basement membrane Molecular Function: protein binding Biological Process: axon guidance; inner ear morphogenesis; cell-cell adhesion; establishment of nucleus localization; apoptosis; positive regulation of axon extension; positive regulation of cell proliferation; neuron migration; negative regulation of axon extension; regulation of cell migration; anterior/posterior axon guidance
Research Articles on Ntn1	**1.** netrin-1 promoted pancreatic cancer cell proliferation by upregulation of murine double minute 2 (Mdm2).
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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