

Human Neuroplastin (NPTN) ELISA Kit | NPTN elisa kit

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CATALOG #
AAA137423

REACTIVITY
Human

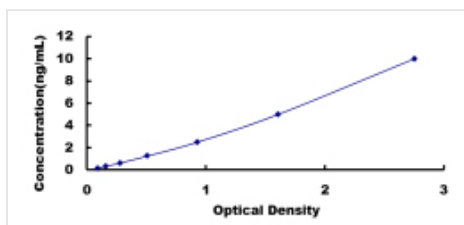
PRODUCT SYNONYMS

Neuroplastin (NPTN); Human Neuroplastin (NPTN) ELISA Kit; SDR1; GP55; GP65; SDFR1; np55; np65; Stromal Cell Derived Factor Receptor 1; NPTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Neuroplastin (NPTN). No significant cross-reactivity or interference between Neuroplastin (NPTN) and analogues was observed.
Sequence Length	393
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Neuroplastin (NPTN) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Neuroplastin (NPTN) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPTN elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Neuroplastin (NPTN). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Neuroplastin (NPTN). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Neuroplastin (NPTN), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Neuroplastin (NPTN) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for NPTN elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	9507073
NCBI GeneID	56064
NCBI Accession #	NP_062253.1
NCBI GenBank Nucleotide #	NM_019380.1
UniProt Accession #	P97546; P97547; Q6IRE8
Molecular Weight	30,836 Da
NCBI Official Full Name	neuroplastin
NCBI Official Synonym Full Names	neuroplastin
NCBI Official Symbol	Nptn
NCBI Official Synonym Symbols	Sdfr1
NCBI Protein Information	neuroplastin
UniProt Protein Name	Neuroplastin
UniProt Gene Name	Nptn
UniProt Synonym Gene Names	Sdfr1; Sdr1; gp55/65; SDR-1
UniProt Entry Name	NPTN_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.