

Human DAN/NBL1 PicoKine ELISA Kit | NBL1 elisa kit

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CATALOG #
AAA46188

REACTIVITY
Human

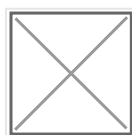
PRODUCT SYNONYMS

DAN/NBL1 PicoKine; Human DAN/NBL1 PicoKine ELISA Kit; Neuroblastoma suppressor of tumorigenicity 1; D1S1733E; DAN; DAN domain family member 1; DAND 1; DAND1; Differential screening selected gene aberrant in neuroblastoma; MGC8972; NB; NBL 1; Neuroblastoma candidate region suppression of tumorigenicity 1; Neuroblastoma suppression of tumorigenicity 1; NO 3; NO3; Zinc finger protein DAN ; neuroblastoma 1; DAN family BMP antagonist; NBL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human DAN
Sequence Length	181
Assay Range	125pg/ml-8000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of human DAN in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	NSO, A17-D181
Assay Procedure Step 1	Aliquot 0.1ml per well of the 8000pg/ml, 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml human DAN standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human DAN standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 1257 3204 5394 1020 3562 4975 Standard Deviation 72.90 189.03 334.42 65.28 235.09 353.22 CV(%) 5.8 5.9 6.2 6.4 6.6 7.1
Sample Data	Concentration(pg/ml) 0 125 250 500 1000 2000 4000 8000 O.D. 0.019 0.095 0.191 0.389 0.697 1.274 1.845 2.124
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

Human DAN/NBL1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for NBL1 elisa kit	Principle of the assay: Human DAN ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for DAN has been precoated onto 96-well plates. Standards (NSO, A17-D181) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for DAN is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human DAN amount of sample captured in plate. Background: Differential screening-selected gene aberrative in neuroblastoma (DAN) is a member of the DAN family of secreted glycoproteins that are putative BMP antagonists. The NBL1 gene, also known as DAN, is originally cloned from a normal rat fibroblast cDNA library by a differential screening method. The human DAN gene is mapped to chromosome 1p36.13-p36. It is found that the DAN gene possesses a tumor suppressive activity when overexpressed in v-src transformed cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	323276675
NCBI GeneID	4681
NCBI Accession #	NP_001191013.1
NCBI GenBank Nucleotide #	NM_001204084.2
UniProt Accession #	P41271; Q5TGZ2; Q5U0N4; Q96L68; A3KFI7
Molecular Weight	23,169 Da
NCBI Official Full Name	neuroblastoma suppressor of tumorigenicity 1 isoform 2
NCBI Official Synonym Full Names	neuroblastoma 1, DAN family BMP antagonist
NCBI Official Symbol	NBL1
NCBI Official Synonym Symbols	NB; DAN; NO3; DAND1; D1S1733E
NCBI Protein Information	neuroblastoma suppressor of tumorigenicity 1
UniProt Protein Name	Neuroblastoma suppressor of tumorigenicity 1
UniProt Gene Name	NBL1
UniProt Synonym Gene Names	DAN; DAND1
UniProt Entry Name	NBL1_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.