

## Mouse DAN/NBL1 PicoKine ELISA Kit | Nbl1 elisa kit

Mouse DAN/NBL1 PicoKine ELISA Kit

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| CATALOG #<br><b>AAA46178</b> | REACTIVITY<br><b>Mouse</b> |
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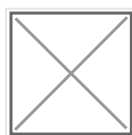
### PRODUCT SYNONYMS

DAN/NBL1 PicoKine; Mouse 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

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity             | Natural and recombinant mouse DAN                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sequence Length         | 178                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Assay Range             | 62.5pg/ml-4000pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sensitivity             | <10pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sample                  | For quantitative detection of Mouse DAN in cell culture supernates, serum and plasma(heparin, EDTA).                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen               | NSO, A17-D178                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Assay Procedure Step 1  | Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each mouse DAN standard solution and each sample is measured in duplicate. |
| Intra-Assay Precision   | Inter-Assay Precision<br>Sample 1 2 3 1 2 3<br>n 16 16 16 24 24 24<br>Mean(pg/ml) 675 1810 2944 792 1948 3107<br>Standard deviation 37.12 112.22 197.24 50.68 146.10 242.34<br>CV(%) 5.5 6.2 6.7 6.4 7.5 7.8                                                                                                                                                                                                                                                                |
| Sample Data             | Concentration(pg/ml) 0 62.5 125 250 500 1000 2000 4000<br>O.D. 0.023 0.080 0.152 0.267 0.477 0.864 1.579 2.313                                                                                                                                                                                                                                                                                                                                                              |
| 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)

Mouse DAN/NBL1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Related Product Information for Nbl1 elisa kit | <p>Principle of the assay: Mouse DAN ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for DAN has been precoated onto 96-well plates. Standards (NSO, A17-D178) 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 mouse DAN amount of sample captured in plate.</p> <p>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.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 148234601                                      |
| NCBI GeneID                      | 17965                                          |
| NCBI Accession #                 | NP_032701.2                                    |
| NCBI GenBank Nucleotide #        | NM_008675.2                                    |
| UniProt Accession #              | Q61477; Q499K5                                 |
| Molecular Weight                 | 19,107 Da                                      |
| NCBI Official Full Name          | neuroblastoma suppressor of tumorigenicity 1   |
| NCBI Official Synonym Full Names | neuroblastoma, suppression of tumorigenicity 1 |
| NCBI Official Symbol             | Nbl1                                           |
| NCBI Official Synonym Symbols    | DAN; NO3; Dana; D4H1S1733E                     |
| 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; Dana                                      |
| UniProt Entry Name               | NBL1_MOUSE                                     |

**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.