

## Mouse neuregulin-4 (NRG4) ELISA Kit | NRG4 elisa kit

Mouse neuregulin-4, NRG4 ELISA Kit

CATALOG #  
**AAA112429**

REACTIVITY  
**Mouse**

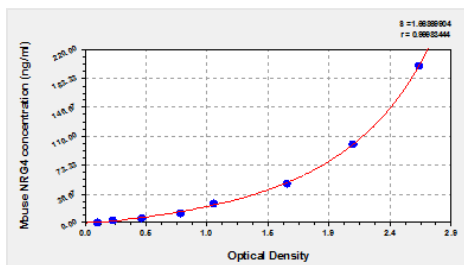
### PRODUCT SYNONYMS

neuregulin-4 (NRG4); Mouse neuregulin-4; NRG4 ELISA Kit; Mouse neuregulin-4 (NRG4) ELISA kit; DKFZp779N0541; DKFZp779N1944; HRG4; heregulin 4; NRG4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of mouse NRG4. No significant cross-reactivity or interference between mouse NRG4 and analogues was observed. |
| Sequence Length         | 115                                                                                                                                                                                   |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                     |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                 |
| Detection Range         | 3.12 ng/ml-200 ng/ml                                                                                                                                                                  |
| Sensitivity             | < 0.78 ng/ml                                                                                                                                                                          |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                               |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                     |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for NRG4 elisa kit | Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for NRG4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NRG4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NRG4 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NRG4 bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 14030777                                           |
| NCBI GeneID                      | 83961                                              |
| NCBI Accession #                 | NP_114391.1                                        |
| NCBI GenBank Nucleotide #        | NM_032002.2                                        |
| UniProt Accession #              | Q9WTX4                                             |
| Molecular Weight                 | 12,744 Da                                          |
| NCBI Official Full Name          | pro-neuregulin-4, membrane-bound isoform           |
| NCBI Official Synonym Full Names | neuregulin 4                                       |
| NCBI Official Symbol             | Nrg4                                               |
| NCBI Official Synonym Symbols    | AI552600                                           |
| NCBI Protein Information         | pro-neuregulin-4, membrane-bound isoform; pro-NRG4 |
| UniProt Protein Name             | Pro-neuregulin-4, membrane-bound isoform           |
| UniProt Gene Name                | Nrg4                                               |
| UniProt Synonym Gene Names       | Pro-NRG4; NRG-4                                    |
| UniProt Entry Name               | NRG4_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/neuregulin-4-nrg4/112429>