

Human Neuregulin 4 (NRG4) ELISA Kit | NRG4 elisa kit

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CATALOG #
AAA140282

REACTIVITY
Human

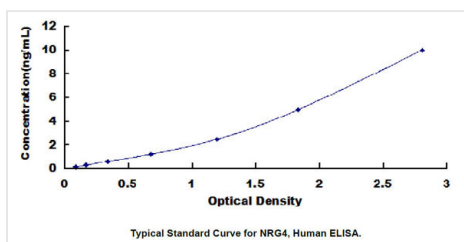
PRODUCT SYNONYMS

Neuregulin 4 (NRG4); Human Neuregulin 4 (NRG4) ELISA Kit; HRG4; Pro-NRG4; Pro-neuregulin-4; membrane-bound isoform; NRG4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NRG4. No significant cross-reactivity or interference between NRG4 and analogues was observed.
Sequence Length	115
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.056ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NRG4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NRG4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 NRG4 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to NRG4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to NRG4. 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 NRG4, 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 NRG4 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NRG4 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for NRG4 elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	17068379
NCBI GeneID	145957
UniProt Accession #	Q8WWG1; A6NIE8
Molecular Weight	12,722 Da
NCBI Official Full Name	Neuregulin 4
NCBI Official Synonym Full Names	neuregulin 4
NCBI Official Symbol	NRG4
NCBI Official Synonym Symbols	HRG4
NCBI Protein Information	pro-neuregulin-4, membrane-bound isoform
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_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/neuregulin-4-nrg4/140282>