

Rat Neuregulin 1 (NRG1) ELISA Kit | NRG1 elisa kit

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CATALOG #
AAA65483

REACTIVITY
Rat

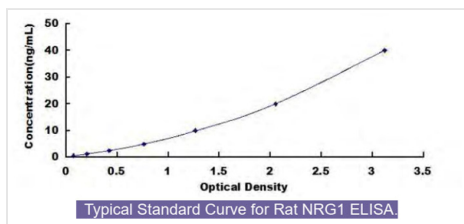
PRODUCT SYNONYMS

Neuregulin 1 (NRG1); Rat Neuregulin 1 (NRG1) ELISA Kit; ARIA; GGF; HGL; HRG; HRGA; NDF; SMDF; Acetylcholine receptor-inducing activity; Glial growth factor; Heregulin; Neu differentiation factor; Sensory and motor neuron-derived factor; NRG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NRG1. No significant cross-reactivity or interference between NRG1 and analogues was observed.
Sequence Length	241
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.225ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NRG1 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 NRG1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NRG1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NRG1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NRG1. 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 NRG1, 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 NRG1 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 the in vitro quantitative measurement of NRG1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	402794669
NCBI GeneID	112400
NCBI Accession #	NP_001258052.1
NCBI GenBank Nucleotide #	NM_001271123.1
UniProt Accession #	P43322; P43323; P43324; P43325; P43326; P43327; P43328
Molecular Weight	26,213 Da
NCBI Official Full Name	pro-neuregulin-1, membrane-bound isoform isoform 6
NCBI Official Synonym Full Names	neuregulin 1
NCBI Official Symbol	Nrg1
NCBI Protein Information	pro-neuregulin-1, membrane-bound isoform
UniProt Protein Name	Pro-neuregulin-1, membrane-bound isoform
UniProt Gene Name	Nrg1
UniProt Synonym Gene Names	Ndf; Pro-NRG1; ARIA; HRG

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://www.aaabiotech.com/rat-elisa-kits/neuregulin-1-nrg1/65483>