

Rat Neuregulin 2 (NRG2) ELISA Kit | NRG2 elisa kit

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CATALOG #
AAA65256

REACTIVITY
Rat

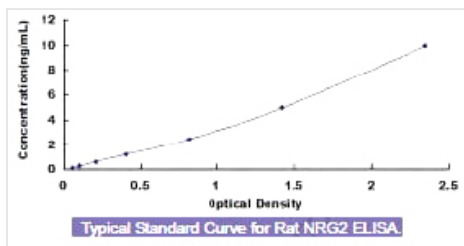
PRODUCT SYNONYMS

Neuregulin 2 (NRG2); Rat Neuregulin 2 (NRG2) ELISA Kit; Don-1; HRG2; NTAK; Neural And Thymus Derived Activator For ErbB Kinases; Divergent Of Neuregulin-1; Pro-neuregulin-2; membrane-bound isoform; NRG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NRG2. No significant cross-reactivity or interference between NRG2 and analogues was observed.
Sequence Length	860
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.062ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NRG2 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 NRG2 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 NRG2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NRG2 in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NRG2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NRG2. 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 NRG2, 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 NRG2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209954628
NCBI GeneID	432361
NCBI Accession #	NP_001129623.1
NCBI GenBank Nucleotide #	NM_001136151.1
UniProt Accession #	O35569; O35073; O35570; O35571; O35572
Molecular Weight	81,951 Da
NCBI Official Full Name	pro-neuregulin-2, membrane-bound isoform
NCBI Official Synonym Full Names	neuregulin 2
NCBI Official Symbol	Nrg2
NCBI Official Synonym Symbols	Ntak; NTAK_alpha2a
NCBI Protein Information	pro-neuregulin-2, membrane-bound isoform
UniProt Protein Name	Pro-neuregulin-2, membrane-bound isoform
UniProt Gene Name	Nrg2
UniProt Synonym Gene Names	Ntak; Pro-NRG2; NRG-2; NTAK

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.