

Mouse Neuregulin 4 ELISA Kit | NRG-4 elisa kit

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CATALOG #
AAA101147

REACTIVITY
Mouse

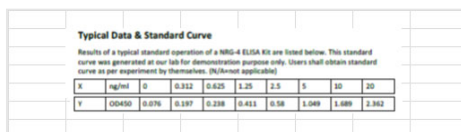
PRODUCT SYNONYMS

Neuregulin 4; Mouse Neuregulin 4 ELISA Kit; NRG-4; NRG-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NRG-4 . No significant cross-reactivity or interference between NRG-4 and analogues was observed.
Sequence Length	115
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NRG-4 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NRG-4 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NRG-4 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-NRG-4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- NRG-4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 NRG-4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of NRG-4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17068379
NCBI GeneID	145957
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/nrg-4-mouse-elisa-kits/neuregulin-4/101147>