

Rat Neuregulin 1 ELISA Kit | NRG-1 elisa kit

Rat Neuregulin 1 ELISA Kit

CATALOG #
AAA99555

REACTIVITY
Rat

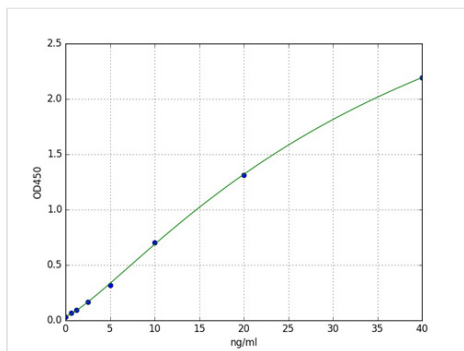
PRODUCT SYNONYMS

Neuregulin 1; Rat Neuregulin 1 ELISA Kit; NRG-1/Heregulin-1/HGL/HRG1-alpha/HRG1-beta 1/NRG1/ARIA/GGF2/GGF/glia growth factor/HGLneu differentiation factor/HRG/HRG1/HRGA/neuregulin 1 type IV beta 1a/MST131/MSTP131/NDFheregulin; alpha (45kD; ERBB2 p185-activator)/neuregulin 1/neuregulin 1 type IV beta 3/pro-neuregulin-1; membrane-bound isoform/pro-NRG1/sensory and motor neuron derived factor/SMDF; NRG-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	640
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
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



Results of a typical standard run of a Rat NRG-1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.020	0.145	0.306	0.410	0.914	1.270	1.889	1.884

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NRG-1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat NRG-1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat NRG-1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin 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 Rat NRG-1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat NRG-1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	223462375
NCBI GeneID	3084
Molecular Weight	46,226 Da
NCBI Official Full Name	Neuregulin 1
NCBI Official Synonym Full Names	neuregulin 1
NCBI Official Symbol	NRG1
NCBI Official Synonym Symbols	GGF; HGL; HRG; NDF; ARIA; GGF2; HRG1; HRGA; SMDF; MST131; MSTP131; NRG1-IT2
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	GGF; HGL; HRGA; NDF; SMDF; Pro-NRG1; ARIA; HRG
UniProt Entry Name	NRG1_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-1-rat-elisa-kits/neuregulin-1/99555>