

Mouse Neuregulin 1 ELISA Kit | NRG-1 elisa kit

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CATALOG #
AAA16145

REACTIVITY
Mouse

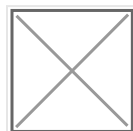
PRODUCT SYNONYMS

Neuregulin 1; Mouse Neuregulin 1 ELISA Kit; NRG-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NRG-1. No significant cross-reactivity or interference between NRG-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NRG-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NRG-1 elisa kit	Intended Uses: This NRG-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse NRG-1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: NRG-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NRG-1 antibody and an NRG-1-HRP conjugate. The assay sample and buffer are incubated together with NRG-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NRG-1 concentration since NRG-1 from samples and NRG-1-HRP conjugate compete for the anti-NRG-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by NRG-1 from the sample, fewer sites are left to bind NRG-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NRG-1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for NRG-1 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119583821
NCBI GeneID	3084
Molecular Weight	46,226 Da
NCBI Official Full Name	neuregulin 1, isoform CRA_k
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; pro-NRG1; glial growth factor; neu differentiation factor; sensory and motor neuron derived factor; heregulin, alpha (45kD, ERBB2 p185-activator)
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-mouse-elisa-kits/neuregulin-1/16145>