

Chicken Neuregulin 1 ELISA Kit | NRG-1 elisa kit

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CATALOG #
AAA91560

REACTIVITY
Chicken

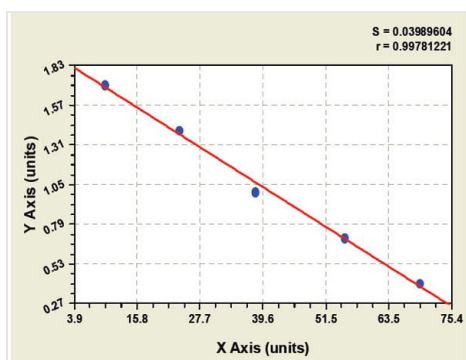
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/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

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This NRG-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken NRG-1. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY NRG-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119583821
NCBI GeneID	3084
UniProt Accession #	Q02297; O14667; P98202; Q02298; Q02299; Q07110; Q07111; Q12779; Q12780; A5YAK4; A5YAK5; A8K1L2; Q53F54; Q6ICV5; Q6PK61; Q7RTV8; Q7RTW3; Q7RTW4; Q7RTW5; Q7Z2R7; Q86WJ0
Molecular Weight	70,392 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
NCBI Protein Information	pro-neuregulin-1, membrane-bound isoform; MSTP131; pro-NRG1; glial growth factor; neu differentiation factor; neuregulin 1 type IV beta 3; neuregulin 1 type IV beta 1a; 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.