

Pro-neuregulin-1, membrane-bound isoform ELISA Kit | NRG1 elisa kit

Human Neuregulin-1/NRG1-beta1 PicoKine ELISA Kit

CATALOG #
AAA46109

REACTIVITY
Human. There is no detectable cross-reactivity with other relevant proteins.

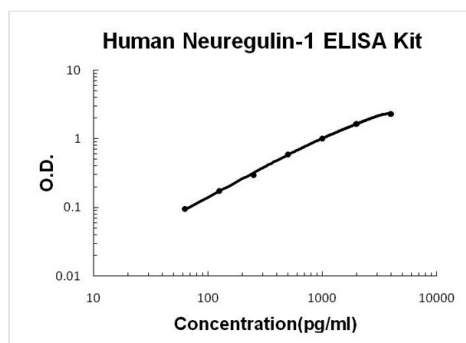
PRODUCT SYNONYMS

Pro-neuregulin-1; membrane-bound isoform; Human Neuregulin-1/NRG1-beta1 PicoKine ELISA Kit; Acetylcholine receptor inducing activity; Acetylcholine receptor-inducing activity; ARIA; Breast cancer cell differentiation factor p45; GGF; GGF2; Glial growth factor; Heregulin; HGL; HRG; HRG1; HRGA; MST131; NDF; Neu differentiation factor; Neuregulin 1; Neuregulin-1; Neuregulin1; nrg1; NRG1 beta 1; NRG1_HUMAN; Pro neuregulin 1; Pro NRG1; Pro-NRG1; Sensory and motor neuron derived factor; Sensory and motor neuron-derived factor; SMDF; neuregulin 1; NRG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human. There is no detectable cross-reactivity with other relevant proteins.
Sequence Length	607
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Sensitivity	<10pg/ml
Immunogen	E.coli, S2-K246
Intra-Assay Precision	Sample 1: n=16; Mean(pg/ml): 675; Standard deviation: 28.35; CV(%): 4.2 Sample 2: n=16; Mean(pg/ml): 1308; Standard deviation: 61.48; CV(%): 4.7 Sample 3: n=16; Mean(pg/ml): 2147; Standard deviation: 113.8; CV(%): 5.3
Inter-Assay Precision	Sample 1: n=24; Mean(pg/ml): 694; Standard deviation: 40.25; CV(%): 5.8 Sample 2: n=24; Mean(pg/ml): 1382; Standard deviation: 84.3; CV(%): 6.1 Sample 3: n=24; Mean(pg/ml): 2503; Standard deviation: 172.7; CV(%): 6.9
Assay Range	62.5pg/ml-4000pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Neuregulin-1/NRG1-Beta1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for NRG1 elisa kit	Description: Sandwich ELISA kit of Quantitative Detection for Human Neuregulin-1/NRG1-beta1 Background: Neuregulin 1 or NRG1 is a protein that in humans is encoded by the NRG1 gene. It is mapped to 8p12. NRG1 is one of four proteins in the neuregulin family that act on the EGFR family of receptors. The protein encoded by this gene is a membrane glycoprotein that mediates cell-cell signaling and plays a critical role in the growth and development of multiple organ systems. Dysregulation of this gene has been linked to diseases such as cancer, schizophrenia, and bipolar disorder (BPD). It is also essential for the normal development of the nervous system and the heart. Furthermore, it was originally identified as a 44-kD glycoprotein that interacts with the NEU/ERBB2 receptor tyrosine kinase to increase its phosphorylation on tyrosine residues.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	236461509
NCBI GeneID	3084
NCBI Accession #	NP_001153467.1
NCBI GenBank Nucleotide #	NM_001159995.1
UniProt Accession #	Q02297; O14667; P98202; Q02298; Q02299; Q07110; Q07111; A5YAK4; A5YAK5; A8K1L2; B7Z4Z3; E9PHH4
Molecular Weight	46,226 Da
NCBI Official Full Name	pro-neuregulin-1, membrane-bound isoform isoform HRG-beta1c
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/nrg1-human-elisa-kits/pro-neuregulin-1-membrane-bound-isoform/46109>