

Human Reticulon-4 (RTN4) ELISA Kit | RTN4 elisa kit

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CATALOG #
AAA330979

REACTIVITY
Human

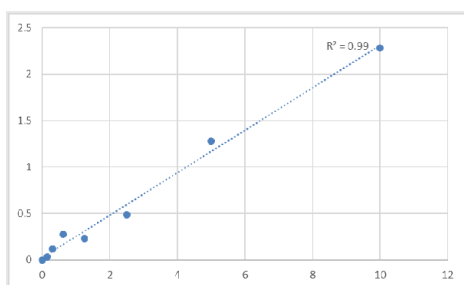
PRODUCT SYNONYMS

Reticulon-4 (RTN4); Human Reticulon-4 (RTN4) ELISA Kit; RTN4; ASY; NI220/250; NOGO; NOGO-A; NOGOC; NSP; NSP-CL; Nbla00271; Nbla10545; Nogo-B; Nogo-C; RTN-X; RTN4-A; RTN4-B1; RTN4-B2; RTN4-C; Human NogoA; My043 protein; OTTHUMP00000201714; OTTHUMP00000201801; OTTHU; RTN4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Reticulon-4 (RTN4) ELISA Kit has high sensitivity and excellent specificity for detection of Human RTN4. No significant cross-reactivity or interference between Human RTN4 and analogues was observed.
Sequence Length	1192
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Reticulon-4 (RTN4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RTN4 elisa kit	Description: This Human Reticulon-4 (RTN4) ELISA Kit employs a two-site sandwich ELISA to quantitate RTN4 in samples. An antibody specific for RTN4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RTN4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RTN4 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RTN4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Reticulon-4 is a protein belongs to the family of reticulon-encoding genes. Reticulons are associated with the endoplasmic reticulum, and are involved in neuroendocrine secretion or in membrane trafficking in neuroendocrine cells. The product of this gene is a potent neurite outgrowth inhibitor which may also help block the regeneration of the central nervous system in higher vertebrates. Alternatively spliced transcript variants derived both from differential splicing and differential promoter usage and encoding different isoforms have been identified. Isoform 1 is specifically expressed in brain and testis and weakly in heart and skeletal muscle. Isoform 2 is widely expressed except for the liver. Isoform 3 is expressed in brain, skeletal muscle and adipocytes. Isoform 4 is testis-specific.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17369290
NCBI GeneID	57142
UniProt Accession #	Q9NQC3
NCBI Official Full Name	Reticulon-4
NCBI Official Synonym Full Names	reticulon 4
NCBI Official Symbol	RTN4
NCBI Official Synonym Symbols	ASY; NSP; NOGO; RTN-X; NSP-CL; RTN4-A; RTN4-C; RTN4-B1; RTN4-B2; NI220/250; Nbla00271; Nbla10545
NCBI Protein Information	reticulon-4
UniProt Protein Name	Reticulon-4
UniProt Gene Name	RTN4
UniProt Synonym Gene Names	KIAA0886; NOGO; Nogo protein; NSP
UniProt Entry Name	RTN4_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.