

Human Reticulon-4 Receptor (RTN4R) ELISA Kit | RTN4R elisa kit

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CATALOG #
AAA330978

REACTIVITY
Human

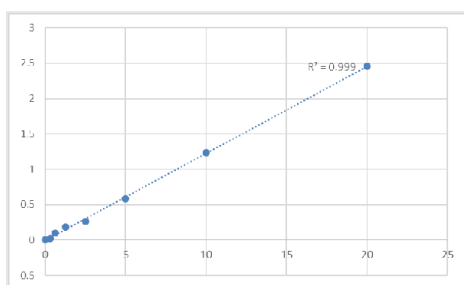
PRODUCT SYNONYMS

Reticulon-4 Receptor (RTN4R); Human Reticulon-4 Receptor (RTN4R) ELISA Kit; RTN4R; NGR; NOGOR; Nogo-66 receptor; OTTHUMP00000197866; UNQ330/PRO526; nogo receptor; RTN4R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Reticulon-4 receptor (RTN4R) ELISA Kit has high sensitivity and excellent specificity for detection of Human RTN4R. No significant cross-reactivity or interference between Human RTN4R and analogues was observed.
Sequence Length	473
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 receptor (RTN4R) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RTN4R elisa kit	Description: This Human Reticulon-4 receptor (RTN4R) ELISA Kit employs a two-site sandwich ELISA to quantitate RTN4R in samples. An antibody specific for RTN4R has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RTN4R present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RTN4R 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 RTN4R bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Reticulon 4 receptor is the receptor for reticulon 4, oligodendrocytemyelin glycoprotein and myelin-associated glycoprotein. This receptor mediates axonal growth inhibition and may play a role in regulating axonal regeneration and plasticity in the adult central nervous system. The Nogo-66 Receptor (NgR) is a high affinity binding receptor for a region of Nogo, a myelin associated protein that inhibits axon outgrowth. NgR was identified by Strittmatter and colleagues using an expression cloning strategy. NgR is implicated in neuronal plasticity and regeneration. Its relative importance in mediating myelin inhibition in vitro and in vivo is currently under intense investigation, since this protein might be a good drug target for treatment of various neurological conditions such as spinal cord injury and stroke.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25453267
NCBI GeneID	65078
UniProt Accession #	Q9BZR6
NCBI Official Full Name	Reticulon-4 receptor
NCBI Official Synonym Full Names	reticulon 4 receptor
NCBI Official Symbol	RTN4R
NCBI Official Synonym Symbols	NGR; NOGOR
NCBI Protein Information	reticulon-4 receptor
UniProt Protein Name	Reticulon-4 receptor
UniProt Gene Name	RTN4R
UniProt Synonym Gene Names	NOGOR; NgR
UniProt Entry Name	RTN4R_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/human-elisa-kits/reticulon-4-receptor-rtn4r/330978>