

Mouse RTN4R ELISA Kit | RTN4R elisa kit

Mouse RTN4R PicoKine ELISA Kit

CATALOG #
AAA125273

REACTIVITY
Mouse

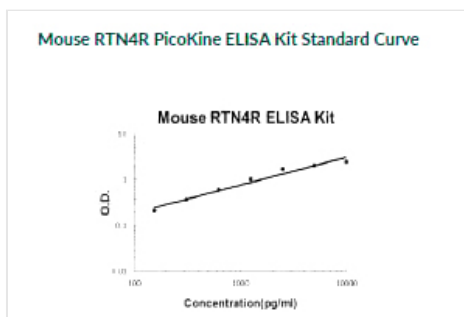
PRODUCT SYNONYMS

RTN4R; Mouse RTN4R PicoKine ELISA Kit; Mouse RTN4R; reticulon 4 receptor; Reticulon-4 receptor; Nogo receptor; NgR; Nogo-66 receptor; Nogo66 receptor-1; NgR1; Rtn4r; Ngr1; Ngor; RTN4R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Rtn4r
Sequence Length	473
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RTN4R elisa kit	Principle of the Assay: The Picokine™ Mouse Rtn4r Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Rtn4r with a 96-well strip plate that is pre-coated with antibody specific for Rtn4r. The detection antibody is a biotinylated antibody specific for Rtn4r. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Rtn4r with immunogen: Expression system for standard: NSO, Immunogen sequence: C27-S447. The kit is analytically validated with ready to use reagents. To measure Mouse Rtn4r, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Rtn4r in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Rtn4r in the sample.!!Background/Introduction: Reticulon 4 receptor (RTN4R) also known as Nogo-66 Receptor (NgR) or Nogo receptor 1 is a protein which in humans is encoded by the RTN4R gene. It is mapped to 16; 16 A3. This gene encodes 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12667794
NCBI GeneID	65079
NCBI Accession #	NP_075358.1
NCBI GenBank Nucleotide #	NP_075358.1
UniProt Accession #	Q99PI8
NCBI Official Full Name	reticulon-4 receptor
NCBI Official Synonym Full Names	reticulon 4 receptor
NCBI Official Symbol	Rtn4r
NCBI Official Synonym Symbols	NgR; NgR1; 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_MOUSE

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.