

Human Reticulon 4 ELISA Kit | RTN4 elisa kit

Human Reticulon 4 ELISA Kit

CATALOG #
AAA100225

REACTIVITY
Human

PRODUCT SYNONYMS

Reticulon 4; Human Reticulon 4 ELISA Kit; RTN4/Reticulon-5/RTN-x/Neuroendocrine-specific protein C homolog/Neuroendocrine-specific protein (NSP)/Foocen/Neurite outgrowth inhibitor (Nogo protein); RTN4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RRM2B. No significant cross-reactivity or interference between RRM2B and analogues was observed.
Sequence Length	1192
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RRM2B were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RRM2B were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a RTN4 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	pg/ml	0	78.125	156.25	312.5	625	1250	2500	5000
Y	OD450	0.120	0.631	0.996	1.461	1.936	2.430	2.784	3.082

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RTN4 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-RRM2B antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-RRM2B antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the RRM2B amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of RRM2B can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156914657
NCBI GeneID	57142
Molecular Weight	108,450 Da
NCBI Official Full Name	Reticulon 4
NCBI Official Synonym Full Names	reticulon 4
NCBI Official Symbol	RTN4
NCBI Official Synonym Symbols	ASY; NSP; NOGO; NOGOC; RTN-X; NOGO-A; NSP-CL; Nogo-B; Nogo-C; 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.

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Online datasheet: <https://stage.aaabiotech.com/rtn4-human-elisa-kits/reticulon-4/100225>