

Mouse N-methyl-D-aspartate receptor 1 ELISA Kit | NMDA-R1 elisa kit

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CATALOG #
AAA83564

REACTIVITY
Mouse

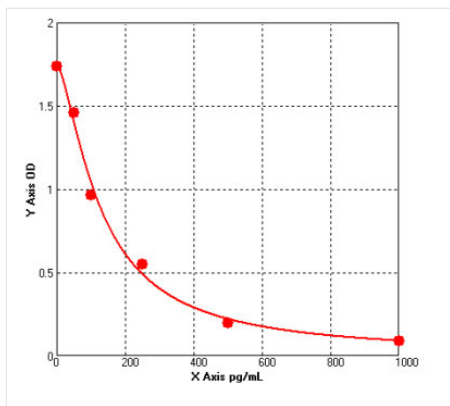
PRODUCT SYNONYMS

N-methyl-D-aspartate receptor 1; Mouse N-methyl-D-aspartate receptor 1 ELISA Kit; NMDA-R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NMDAR1. No significant cross-reactivity or interference between NMDAR1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Intended Uses	This NMDA-R1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse NMDA-R1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NMDA-R1 elisa kit	Principle of the Assay: NMDAR1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NMDAR1 antibody and an NMDAR1-HRP conjugate. The assay sample and buffer are incubated together with NMDAR1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NMDAR1 concentration since NMDAR1 from samples and NMDAR1-HRP conjugate compete for the anti-NMDAR1 antibody binding site. Since the number of sites is limited, as more sites are occupied by NMDAR1 from the sample, fewer sites are left to bind NMDAR1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NMDAR1 concentration in each sample is interpolated from this standard curve. Intended Uses: This NMDAR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse NMDAR1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for NMDA-R1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	24644257
NCBI GeneID	40665
NCBI Accession #	NP_730940.1
NCBI GenBank Nucleotide #	NM_169059.2
Molecular Weight	112,288 Da
NCBI Official Full Name	NMDA receptor 1
NCBI Official Synonym Full Names	NMDA receptor 1
NCBI Official Symbol	Nmdar1
NCBI Official Synonym Symbols	CG2902; DmelNmdar1; DmelCG2902; DMNMDAR1; DNmdar; dnmdar-l; DNMDAR-l; dNR1; DrNR1; dsNR1; NMDA; NMDA R1; Nmdar; NMdar1; NMDAR1; nmr; NR1; NRI
NCBI Protein Information	CG2902 gene product from transcript CG2902-RA; CG2902-PA; NMDA receptor; NMDA receptor 1; NMDA receptor I; NMDAR; Nmdar1-PA; dNR1
UniProt Protein Name	Glutamate [NMDA] receptor subunit 1
UniProt Gene Name	Nmdar1
UniProt Synonym Gene Names	nmr; NR1; CG2902; DNMDAR-l; dNR1
UniProt Entry Name	NMDA1_DROME

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/nmda-r1-mouse-elisa-kits/n-methyl-d-aspartate-receptor-1/83564>