

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

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CATALOG #
AAA16227

REACTIVITY
Rat

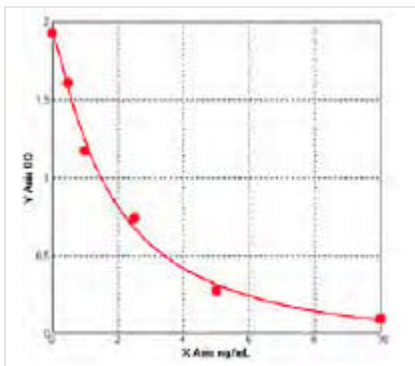
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
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

Intended Uses: This NMDAR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanNMDAR1. This ELISA kit for research use only!

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.

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://www.aaabiotech.com/nmda-r1-rat-elisa-kits/n-methyl-d-aspartate-receptor-1/16227>