

Human NRCAM PicoKine ELISA Kit | NRCAM elisa kit

Human NRCAM PicoKine ELISA Kit

CATALOG #
AAA46163

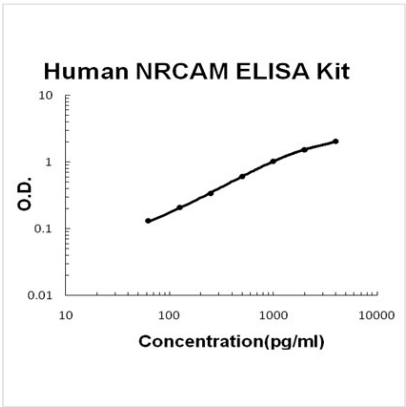
REACTIVITY
Human

PRODUCT SYNONYMS

NRCAM PicoKine; Human NRCAM PicoKine ELISA Kit; Neuronal cell adhesion molecule; Bravo; hBravo; Neuronal surface protein Bravo; Ng CAM related; Ng-CAM-related; NgCAM related cell adhesion molecule; NgCAM-related cell adhesion molecule; Nr CAM; Nr-CAM; Nrcam; NRCAM_HUMAN ; neuronal cell adhesion molecule; NRCAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human NRCAM
Sequence Length	1304
Assay Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of human NRCAM in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	NSO, L30-N600
Assay Procedure Step 1	Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml,1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml human NRCAM standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human NRCAM standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 675 1308 2147 694 1382 2503 Standard deviation 35.10 79.78 124.52 40.25 89.83 155.18 CV(%) 5.2 6.1 5.8 5.8 6.5 6.2
Sample Data	Concentration(pg/ml) 0 62.5 125 250 500 1000 2000 4000 O.D. 0.058 0.132 0.210 0.338 0.604 1.027 1.531 2.037
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Human NRCAM PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for NRCAM elisa kit	Principle of the assay: Human NRCAM ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for NRCAM has been precoated onto 96-well plates. Standards (NSO, L30-N600) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for NRCAM is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 human NRCAM amount of sample captured in plate. Background: Neuronal cell adhesion molecule is a protein that in humans is encoded by the NRCAM gene. Cell adhesion molecules (CAMs) are members of the immunoglobulin superfamily. This gene encodes a neuronal cell adhesion molecule with multiple immunoglobulin-like C2-type domains and fibronectin type-III domains. This ankyrin-binding protein is involved in neuron-neuron adhesion and promotes directional signaling during axonal cone growth. Also, this gene is expressed in non-neural tissues and may play a general role in cell-cell communication via signaling from its intracellular domain to the actin cytoskeleton during directional cell migration. Allelic variants of this gene have been associated with autism and addiction vulnerability. Alternative splicing results in multiple transcript variants encoding different isoforms.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	81158226
NCBI GeneID	4897
NCBI Accession #	NP_001032209.1
NCBI GenBank Nucleotide #	NM_001037132.2
UniProt Accession #	Q92823; O15051; O15179; Q14BM2; Q9UHI3; Q9UHI4; A4D0S3; E9PDA4
Molecular Weight	131,744 Da
NCBI Official Full Name	neuronal cell adhesion molecule isoform A
NCBI Official Synonym Full Names	neuronal cell adhesion molecule
NCBI Official Symbol	NRCAM
NCBI Protein Information	neuronal cell adhesion molecule
UniProt Protein Name	Neuronal cell adhesion molecule
UniProt Gene Name	NRCAM

UniProt Synonym Gene Names	KIAA0343; Ng-CAM-related
UniProt Entry Name	NRCAM_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/nrcam-picokine/46163>