

Rat NCAM1/CD56 ELISA Kit | NCAM1 elisa kit

Rat NCAM1/CD56 PicoKine ELISA Kit

CATALOG #
AAA46787

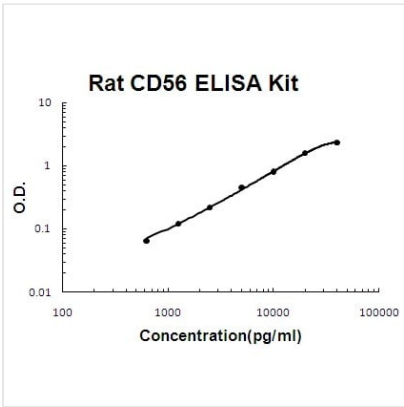
REACTIVITY
Rat

PRODUCT SYNONYMS

NCAM1/CD56; Rat NCAM1/CD56 PicoKine ELISA Kit; CD56; NCAM 1; NCAM C; NCAM1; NCAM-1; N-CAM-1; Neural cell adhesion molecule 1; NCAM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat CD56
Sequence Length	858
Assay Range	625pg/ml-40000pg/ml
Sensitivity	<20pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	25-30
Immunogen	NSO, L20-T712
Sample Data	Concentration(pg/ml): 0 625 1250 2500 5000 10000 20000 40000 O.D.: 0.004 0.064 0.118 0.215 0.450 0.798 1.578 2.317
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n: 16 16 16 24 24 24 Mean(ng/ml) 1.32 5.61 25.58 1.54 6.32 30.32 Standard Deviation: 0.057 0.309 1.688 0.074 0.430 2.213 CV(%): 4.3 5.5 6.6 4.8 6.8 7.3
Assay Procedure Step 1	Aliquot 0.1ml per well of the 40000pg/ml, 20000pg/ml, 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml rat CD56 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 rat cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each rat CD56 standard solution and each sample be measured in duplicate.
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)
Rat NCAM1/CD56 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for NCAM1 elisa kit	For quantitative detection of rat CD56 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA). Background: Neural Cell Adhesion Molecule, NCAM, also known as the cluster of differentiation CD56, is a hemophilic binding glycoprotein. This glycoprotein is mainly expressed on the surface of neurons, glia, skeletal muscle and natural killer cells. NCAM has been implicated as having a role in cell-cell adhesion, neurite outgrowth, synaptic plasticity, and learning and memory. This gene encodes a cell adhesion protein which is a member of the immunoglobulin superfamily. The encoded protein is involved in cell-to-cell interactions as well as cell-matrix interactions during development and differentiation. And the encoded protein has been shown to be involved in development of the nervous system, and for cells involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance. Principle: Rat CD56 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Mouse specific for CD56 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: L20-T712) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD56 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 Rat CD56 amount of sample captured in plate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13928706
NCBI GeneID	24586
NCBI Accession #	NP_113709.1
NCBI GenBank Nucleotide #	NM_031521.1
UniProt Accession #	P13596
Molecular Weight	94,658 Da
NCBI Official Full Name	neural cell adhesion molecule 1
NCBI Official Synonym Full Names	neural cell adhesion molecule 1
NCBI Official Symbol	Ncam1
NCBI Official Synonym Symbols	Cd56; Ncam; N-CAM; NCAMC; NCAM-1; NCAM-C; N-CAM-1
NCBI Protein Information	neural cell adhesion molecule 1
UniProt Protein Name	Neural cell adhesion molecule 1

UniProt Gene Name	Ncam1
UniProt Synonym Gene Names	Ncam; N-CAM-1; NCAM-1

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/rat-elisa-kits/ncam1-cd56/46787>