

Rat CD56 ELISA Kit | NCAM1 elisa kit

Rat CD56 ELISA Kit

CATALOG #
AAA263168

REACTIVITY
Rat

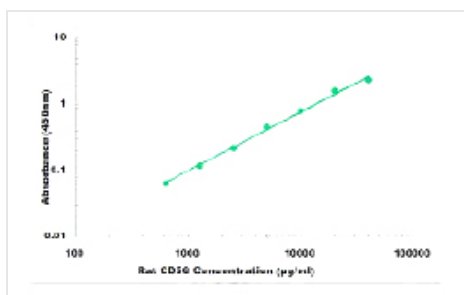
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat CD56 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat CD56 proteins within the range of 625 pg/ml - 40000 pg/ml.
Sequence Length	858
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<20 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NCAM1 elisa kit	Principle of the Assay: The Rat CD56 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat CD56 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat CD56 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD56 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat CD56 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD56 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. 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.
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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
UniProt Entry Name	NCAM1_RAT

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://www.aaabiotech.com/ncam1-rat-elisa-kits/cd56/263168>