

Mouse CD56/NCAM1 ELISA Kit | NCAM1 elisa kit

Mouse CD56/NCAM1 PicoKine ELISA Kit

CATALOG #
AAA45873

REACTIVITY
Mouse

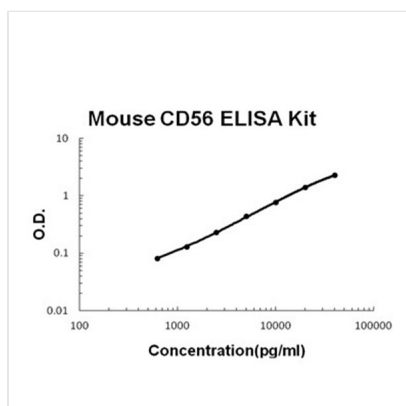
PRODUCT SYNONYMS

CD56/NCAM1; Mouse CD56/NCAM1 PicoKine ELISA Kit; Neural cell adhesion molecule 1; neural cell adhesion molecule 1; CD56; N-CAM-1; NCAM-1; NCAM1; NCAM1_HUMAN; NCAM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CD56
Sequence Length	1115
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	625pg/ml-40,000pg/ml
Sensitivity	< 20pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse CD56/NCAM1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for NCAM1 elisa kit	Principle of the assay: mouse CD56 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CD56 has been precoated onto 96-well plates. Standards(NSO, L20-T711) 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 mouse CD56 amount of sample captured in plate. Background: Neural Cell Adhesion Molecule, NCAM, also known as the cluster of differentiation CD56, is a hemophilic binding glycoprotein. It is a glycoprotein of Immunoglobulin (Ig) super family. At least 27 alternatively spliced NCAM mRNAs are produced, giving a wide diversity of NCAM isoforms NCAM gene is located at 11q22-q23.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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	205830666
NCBI GeneID	17967
UniProt Accession #	P13595; P13594; Q61949; Q61950; Q6LBU8; Q8BQ96; Q8C4B2; Q921P2; Q9R2A7
Molecular Weight	67,353 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; E-NCAM; NCAM-1
NCBI Protein Information	neural cell adhesion molecule 1; N-CAM-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_MOUSE

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.