

Bovine Neural Cell Adhesion Molecule ELISA Kit | NCAM elisa kit

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CATALOG #
AAA96982

REACTIVITY
Bovine

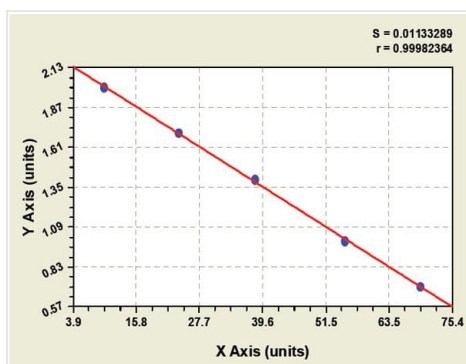
PRODUCT SYNONYMS

Neural Cell Adhesion Molecule; Bovine Neural Cell Adhesion Molecule ELISA Kit; NCAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This NCAM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine NCAM. This ELISA kit for research use only, not for therapeutic applications
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NCAM elisa kit

Principle of the Assay: NCAM ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NCAM antibody and an NCAM-HRP conjugate. The assay sample and buffer are incubated together with NCAM-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 NCAM concentration since NCAM from samples and NCAM-HRP conjugate compete for the anti-NCAM antibody binding site. Since the number of sites is limited, as more sites are occupied by NCAM from the sample, fewer sites are left to bind NCAM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NCAM concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	241117
NCBI GeneID	4684
Molecular Weight	40,760 Da
NCBI Official Full Name	neural cell adhesion molecule, partial
NCBI Official Synonym Full Names	neural cell adhesion molecule 1
NCBI Official Symbol	NCAM1
NCBI Official Synonym Symbols	CD56; NCAM; MSK39
NCBI Protein Information	neural cell adhesion molecule 1; neural cell adhesion molecule, NCAM; antigen recognized by monoclonal antibody 5.1H11
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_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.

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Online datasheet: <https://stage.aaabiotech.com/ncam-bovine-ovine-elisa-kits/neural-cell-adhesion-molecule/96982>