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Datasheet for ABIN5510720

## CD56 ELISA Kit

### 1 Image

#### Overview

Quantity: 96 tests

Target: CD56 (NCAM1)

Binding Specificity: AA 20-712

Reactivity: Rat

Method Type: Sandwich ELISA

Application: ELISA

#### Product Details

Purpose: Sandwich High Sensitivity ELISA kit for Quantitative Detection of Rat NCAM1/CD56

Brand: PicoKine™

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: Expression system for standard: NSO  
Immunogen sequence: L20-T712

Cross-Reactivity (Details): There is no detectable cross-reactivity with other relevant proteins.

#### Target Details

Target: CD56 (NCAM1)

Alternative Name: Ncam1 ([NCAM1 Products](#))

Background: Protein Function: This protein is a cell adhesion molecule involved in neuron-neuron adhesion,

## Target Details

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neurite fasciculation, outgrowth of neurites, etc.

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.

Synonyms: Neural cell adhesion molecule 1,N-CAM-1,NCAM-1,CD56,Ncam1,Ncam,

Full Gene Name: Neural cell adhesion molecule 1

Cellular Localisation: Cell membrane, Single-pass type I membrane protein.

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UniProt: [P13596](#)

## Application Details

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Plate: Pre-coated

Restrictions: For Research Use only

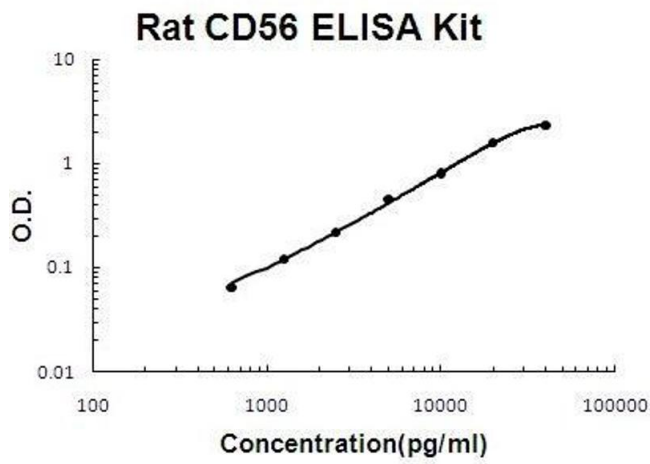
## Handling

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Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months



#### ELISA

**Image 1.** Rat NCAM1/CD56 PicoKine ELISA Kit standard curve