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### **NrCAM ELISA Kit**



#### Overview

Quantity:	1 kit
Target:	NrCAM (NRCAM)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

#### **Product Details**

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Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: Bravo, hBravo, Neuronal cell adhesion molecule, Neuronal surface protein Bravo, Ng
	CAM related, Ng-CAM-related, NgCAM related cell adhesion molecule, NgCAM-related cell
	adhesion molecule, Nr CAM, Nr-CAM, Nrcam, NRCAM_HUMAN
	Background: Neuronal cell adhesion molecule is a protein that in humans is encoded by the
	NRCAM gene. Cell adhesion molecules (CAMs) are members of the immunoglobulin
	superfamily. This gene encodes a neuronal cell adhesion molecule with multiple
	immunoglobulin-like C2-type domains and fibronectin type-III domains. This ankyrin-binding

protein is involved in neuron-neuron adhesion and promotes directional signaling during axonal

cone growth. Also, this gene is expressed in non-neural tissues and may play a general role in cell-cell communication via signaling from its intracellular domain to the actin cytoskeleton during directional cell migration. Allelic variants of this gene have been associated with autism and addiction vulnerability. Alternative splicing results in multiple transcript variants encoding different isoforms.

Gene Name: NRCAM

Production: Natural and recombinant human NRCAM. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: L30-N600

#### **Target Details**

Target:	NrCAM (NRCAM)
Alternative Name:	NRCAM (NRCAM Products)
Gene ID:	4897
NCBI Accession:	NP_001032209
UniProt:	Q92823
Pathways:	Regulation of Cell Size

Application Details	
Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 4000pg/mL, 2000pg/mL,1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL,
	62.5pg/mL human NRCAM standard solutions into the precoated 96-well plate. Add 0.1 mL of
	the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted
	sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well.
	It is recommended that each human NRCAM standard solution and each sample be measured
	in duplicate.
	Blood Product Anticoagulant: Heparin Sodium
	ELISA Dilution: 62.5pg/mL-4000pg/mL
Sample Volume:	100 μL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at
	room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only
	prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid
	cycles of freezing and thawing.