

ARG81575 Human NrCAM ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81575-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81575-002	Standard	2 X 10 ng/vial	4°C
ARG81575-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81575-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81575-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81575-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81575-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81575-008	25X Wash buffer	20 ml	4°C
ARG81575-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81575-010	STOP solution	10 ml (Ready to use)	4°C
ARG81575-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81575 Human NrCAM ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human NrCAM in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	NrCAM
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 4.8% Inter-Assay CV: 6.1%
Alternate Names	Nr-CAM; Ng-CAM-related; hBravo; Neuronal surface protein Bravo; Neuronal cell adhesion molecule; NgCAM-related cell adhesion molecule

Application Instructions

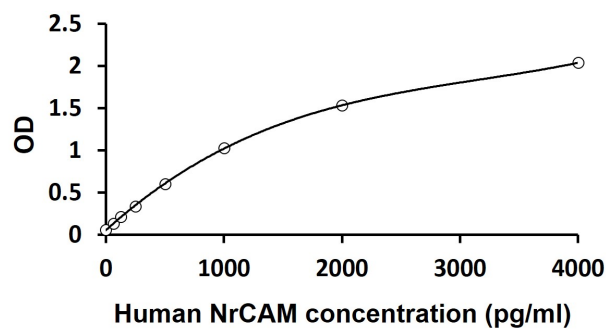
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NRCAM
Gene Full Name	neuronal cell adhesion molecule
Background	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. This gene is also 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. [provided by RefSeq, Jul 2008]
Function	Cell adhesion, ankyrin-binding protein involved in neuron-neuron adhesion. May play a role in the molecular assembly of the nodes of Ranvier (By similarity). [UniProt]
Highlight	Related products: NrCAM antibodies ; NrCAM ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81575 Human NrCAM ELISA Kit standard curve image

ARG81575 Human NrCAM ELISA Kit results of a typical standard run with optical density reading at 450 nm.