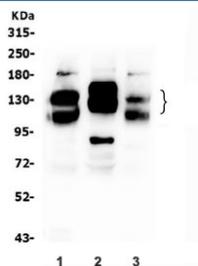


NCAM1 Antibody (RQ5592)

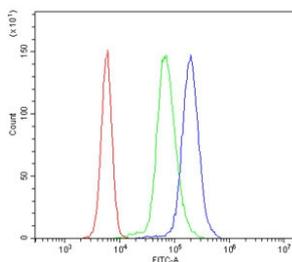
Catalog No.	Formulation	Size
RQ5592	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P13591
Applications	Western Blot : 0.25-0.5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This NCAM1 antibody is available for research use only.



Western blot testing of 1) rat brain, 2) rat C6 and 3) mouse brain lysate with NCAM1 antibody. Predicted molecular weight: ~110 kDa (soluble fragment), ~120/125 kDa (GPI-anchored), 140/180 kDa (transmembrane isoforms).



Flow cytometry testing of human U937 cells with NCAM1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NCAM1 antibody.

Description

NCAM is a membrane-bound glycoprotein that plays a role in cell-cell and cell-matrix adhesion through both its homophilic and heterophilic binding activity. The neural cell adhesion molecule appears on early embryonic cells and is important in the formation of cell collectives and their boundaries at sites of morphogenesis. Later in development it is found on various differentiated tissues and is a major CAM mediating adhesion among neurons and between neurons and muscle. NCAM gene is mapped to 11q23. The neural cell adhesion molecule (NCAM) can influence a number of diverse intercellular events, including junctional communication, the association of axons with pathways and targets, and signals that alter levels of neurotransmitter enzymes.

Application Notes

Optimal dilution of the NCAM1 antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids K152-Q690) was used as the immunogen for the NCAM1 antibody.

Storage

After reconstitution, the NCAM1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.