SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-NCAM1 Monoclonal Antibody

Catalog Number: SLA0965M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	4E9
GeneID:	4684
SWISS:	P13591
Target:	NCAM1
Immunogen:	KLH conjugated synthetic peptide derived from human NCAM
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	ICC/IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	92 kDa
Subcellular Location:	Membrane
Background:	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. 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011]

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

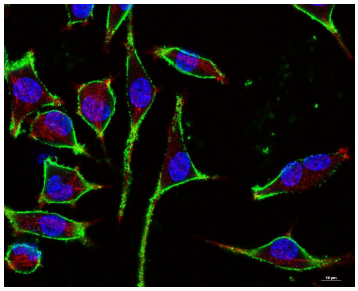


Figure 1. 4% Paraformaldehyde-fixed SH-SY5Y (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (NCAM) monoclonal Antibody, unconjugated (SLA0965M) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-BF488) at 37°C for 90 min, then stained with Phalloidin/BF555 for 30 min at room temperature; DAPI (blue, C02-04002) was used to stain the cell nuclei.

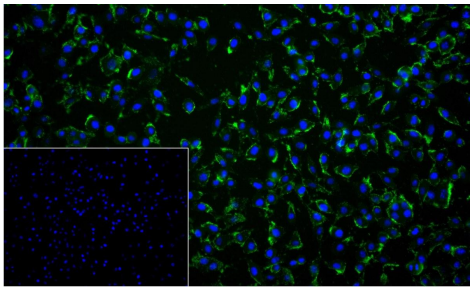


Figure 2. 4% Paraformaldehyde-fixed SH-SY5Y (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (NCAM) monoclonal Antibody, unconjugated (SLA0965M) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.
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