10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# NCAM1

Purified Mouse Monoclonal Antibody
Catalog # AO2553a

## Product Information

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|---|---|
| **Application** | WB, IHC, ICC, E |
| **Primary Accession** | P13591 |
| **Reactivity** | Human |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Clone Names** | 5G5G1 |
| **Isotype** | Mouse IgG2b |
| **Calculated MW** | 94574 |
| **Immunogen** | Purified recombinant fragment of human NCAM1 (AA: 568-708) expressed in E. Coli. |
| **Formulation** | Purified antibody in PBS with 0.05% sodium azide |

## Additional Information

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|---|---|
| **Gene ID** | 4684 |
| **Other Names** | CD56; NCAM; MSK39 |
| **Dilution** | WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000 |
| **Storage** | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | NCAM1 is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | NCAM1 ( HGNC:7656) |
| **Synonyms** | NCAM |
| **Function** | This protein is a cell adhesion molecule involved in neuron- neuron adhesion, neurite fasciculation, outgrowth of neurites, etc. (Microbial infection) Acts as a receptor for Zika virus. |
| **Cellular Location** | [Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 3]: Cell membrane; Lipid-anchor, GPI- anchor [Isoform 5]: Secreted. |

## References

1.J Cancer Res Clin Oncol. 2015 Oct;141(10):1859-70.2.Head Face Med. 2015 Feb 12;11:3.

## Images

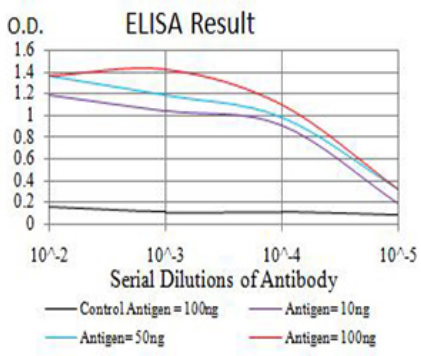



Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

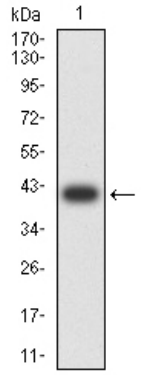



Figure 2:Western blot analysis using NCAM1 mAb against human NCAM1 (AA: 568-708) recombinant protein. (Expected MW is 40.1 kDa)

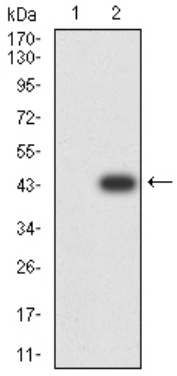



Figure 3:Western blot analysis using NCAM1 mAb against HEK293 (1) and NCAM1 (AA: 568-708)-hIgGFc transfected HEK293 (2) cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.