

### CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone NCAM1/784] Catalog # AH11972

### **Specification**

## CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody - With BSA and Azide - Product Information

Application ,2,3,4,
Primary Accession P13591

Other Accession 4684, 503878, P13592

Reactivity Human
Host Mouse
Clonality Monoclonal

Isotype Mouse / IgG1, kappa
Calculated MW 180, 145 and 125kDa KDa

### CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody - With BSA and Azide - Additional Information

**Gene ID 4684** 

### **Other Names**

Neural cell adhesion molecule 1, N-CAM-1, NCAM-1, CD56, NCAM1, NCAM

#### **Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

### **Precautions**

CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

## CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody - With BSA and Azide - Protein Information

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.

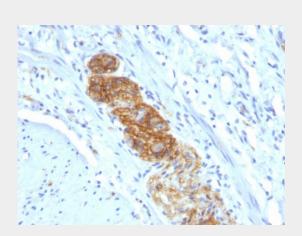


### CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody - With BSA and Azide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

### CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody - With BSA and Azide - Images



Formalin-fixed, paraffin-embedded human Colon stained with CD56 Monoclonal Antibody (NCAM1/784)

# CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody - With BSA and Azide - Background

This MAb reacts with an extracellular domain (close to transmembrane) of CD56/NCAM. Three isoforms of neural cell adhesion molecule (NCAM) are produced by differential splicing of the RNA transcript from a single gene. The 135kDa isoform is the basic molecule, which is glycosylated or sialylated to produce the mature species. Anti-CD56 recognizes two proteins of the neural cell adhesion molecule, the basic molecule expressed on most neuroectodermally derived tissues and neoplasms (e.g. retinoblastoma, medulloblastomas, astrocytomas, neuroblastomas, and small cell carcinomas). It is also expressed on some mesodermally derived tumors (rhabdomyosarcoma). Anti-CD56 plays an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.

### CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody - With BSA and Azide - References

Endo, C., et al. 2009. Immunocytochemical evaluation of large cell neuroendocrine carcinoma of the lung. Acta Cytol. 53: 36-40