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CD56 / NCAM1 (Neuronal Cell Marker) Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone SPM128]
Catalog # AH10627

Specification

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

Application	**,14,3,4,**
Primary Accession	P13591
Other Accession	4684, 503878, P13592
Reactivity	**Human, Rat, Zebrafish**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG1, kappa**
Calculated MW	**180, 145 and 125kDa KDa**

CD56 / NCAM1 (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

Format
200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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

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

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

Name NCAM1

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;

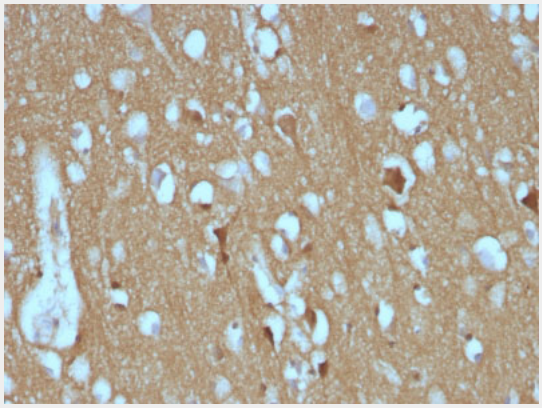
Lipid-anchor, GPI- anchor [Isoform 5]: Secreted.

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

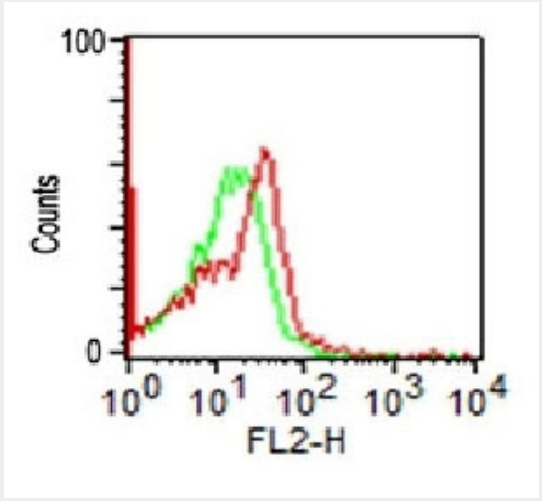
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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



Formalin-fixed, paraffin-embedded human Cerebellum stained with CD56 Monoclonal Antibody (SPM128)



FACS analysis of CD56 on human Monocytes using CD56 Monoclonal Antibody (SPM128)

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

Hilkens et al., Int J Cancer. 1984 34:197-206. | Kibbelaar et al. Eur. J. Cancer 1991 27:431-435