

# Anti-CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody

Mouse Monoclonal Antibody Catalog # AH13409

### **Product Information**

Application IHC-P Primary Accession P13591

Other Accession <u>503878</u>, <u>P13592</u>

Reactivity Human
Host Mouse
Clonality Monoclonal

**Isotype** Mouse / IgG2a, kappa

Clone Names NCAM1/1496

Calculated MW 94574

## **Additional Information**

Gene ID 4684

Other Names NCAM, Leu-19, NKH1, MSK39, NCAM120, NCAM140, NCAM180, Neural Cell

Adhesion Molecule

**Application Note** Immunohistology (Formalin-fixed) (0.5-1ug/ml for 30 minutes at RT),(Staining

of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate

Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20

minutes), Optimal dilution for a specific application should be determined.

**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** Anti-CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody is for research

use only and not for use in diagnostic or therapeutic procedures.

#### **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

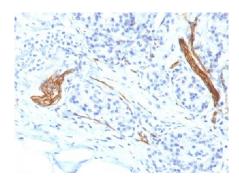
infection) Acts as a receptor for Zika virus.

[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 3]: Cell membrane; Lipid-anchor, GPI- anchor [Isoform 5]: Secreted.

# **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.

# **Images**



Formalin-fixed, paraffin-embedded human Pancreas stained with CD56 Monoclonal Antibody (NCAM1/1496)

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