



## Rabbit Anti-CD56 antibody

SL0805R

<b>Product Name:</b>	CD56
<b>Chinese Name:</b>	神经Cell adhesion molecule1抗体
<b>Alias:</b>	CD56 antigen; Cell Adhesion Molecule Neural 1; MSK39; N CAM 120; N CAM 140; N CAM 180; NCAM 1; NCAM1; NCAM 120; NCAM 140; NCAM1; Neural cell adhesion molecule 1 120 kDa isoform; Neural cell adhesion molecule 1 140 kDa isoform; Neural cell adhesion molecule 1; NCAM1_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Guinea Pig,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestICC=1:100-500IF=1:100-500(Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	92kDa
<b>Cellular localization:</b>	The cell membraneSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CD56:621-720/858<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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]

**Function:**

This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.

**Subcellular Location:**

Isoform 1, 2,: Cell membrane; Single-pass type I membrane protein. Isoform 3, 4: Cell membrane; Lipid-anchor, GPI-anchor. Isoform 5, 6: Secreted.

**Similarity:**

Contains 2 fibronectin type-III domains.

Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

**SWISS:**

P13591

**Gene ID:**

4684

**Database links:**

[Entrez Gene: 4684](#) Human

[Entrez Gene: 17967](#) Mouse

[Entrez Gene: 24586](#) Rat

[Omin: 116930](#) Human

[SwissProt: P13591](#) Human

[SwissProt: P13595](#) Mouse

[SwissProt: P13596](#) Rat

[Unigene: 503878](#) Human

[Unigene: 711235](#) Human

[Unigene: 733031](#) Human

[Unigene: 439182](#) Mouse

[Unigene: 4974](#) Mouse

[Unigene: 11283](#) Rat

**Important Note:**

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

细胞粘附蛋白 (Cell Adhesion Protein)

神经元Marker

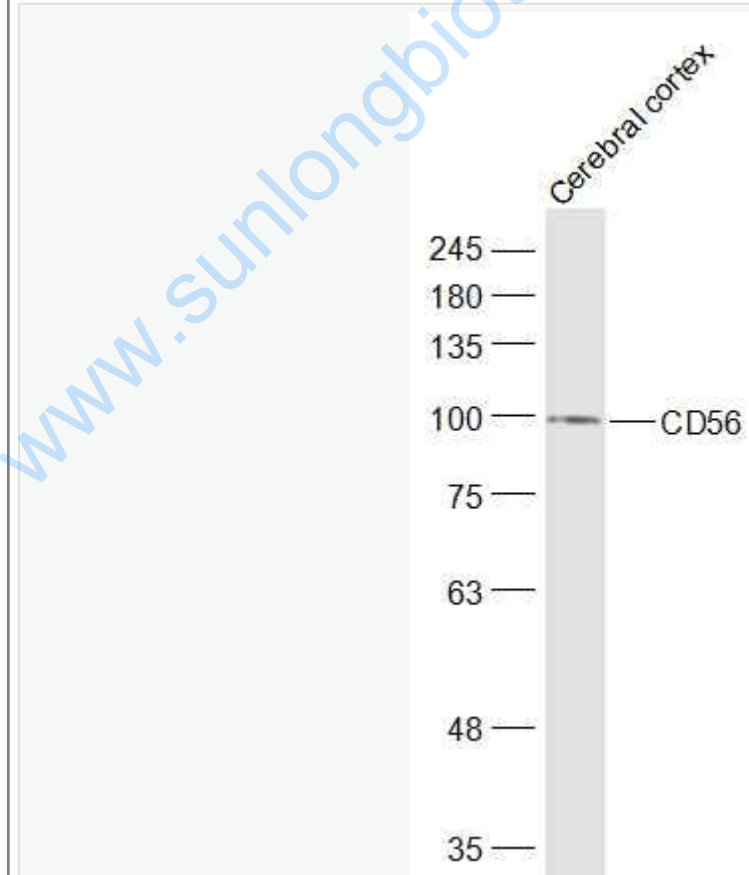
NCAM-1为神经Cell adhesion molecule, 主要分布于神经组织, 神经—肌肉接头, 神经—

内分泌腺和某些内分泌腺以及大多数神经外胚层来源的细胞、组织和Tumour中。

NCAM

1主要用于视网膜母细胞瘤、髓母细胞瘤、星形细胞瘤、神经母细胞瘤等Tumour方面的研究。

Picture:



Sample:

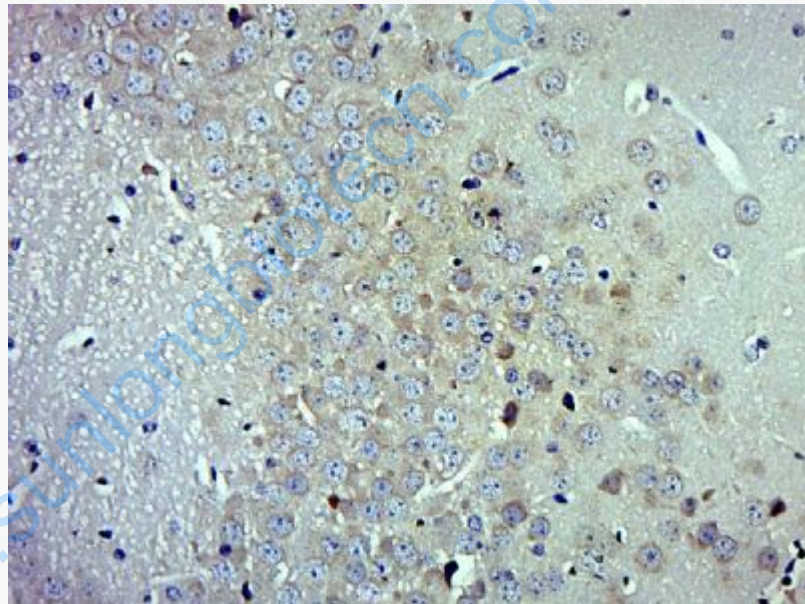
Cerebral cortex (Mouse) Lysate at 40 ug

Primary: Anti-CD56 (SL0805R) at 1/1000 dilution

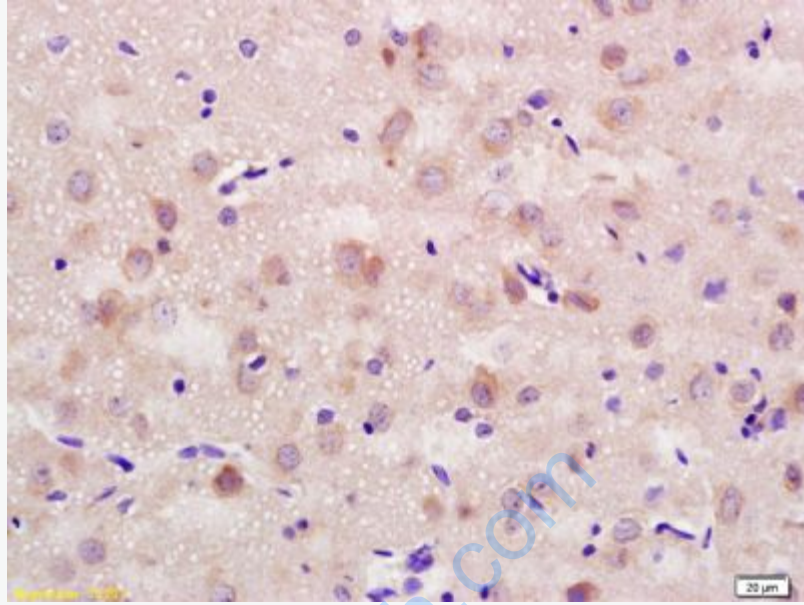
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 92 kD

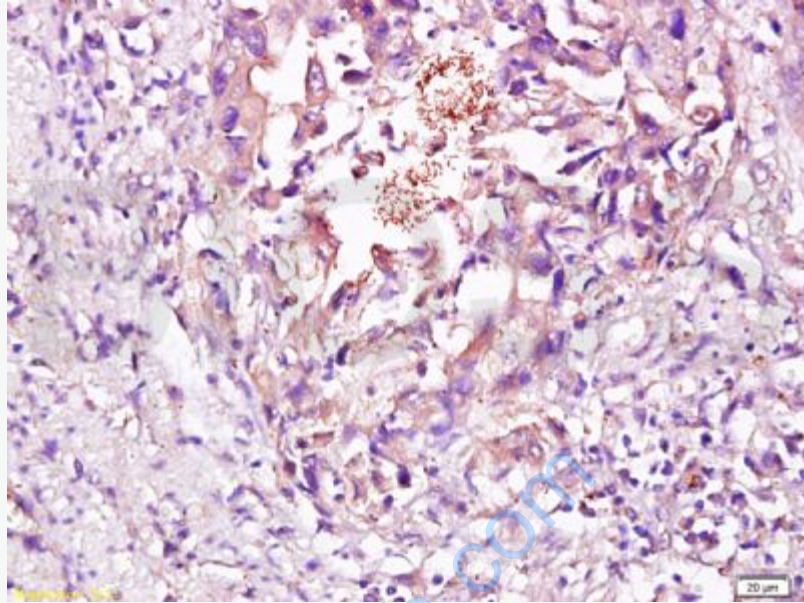
Observed band size: 95 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD56) Polyclonal Antibody, Unconjugated (SL0805R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-CD56/NCAM1 Polyclonal Antibody, Unconjugated(SL0805R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

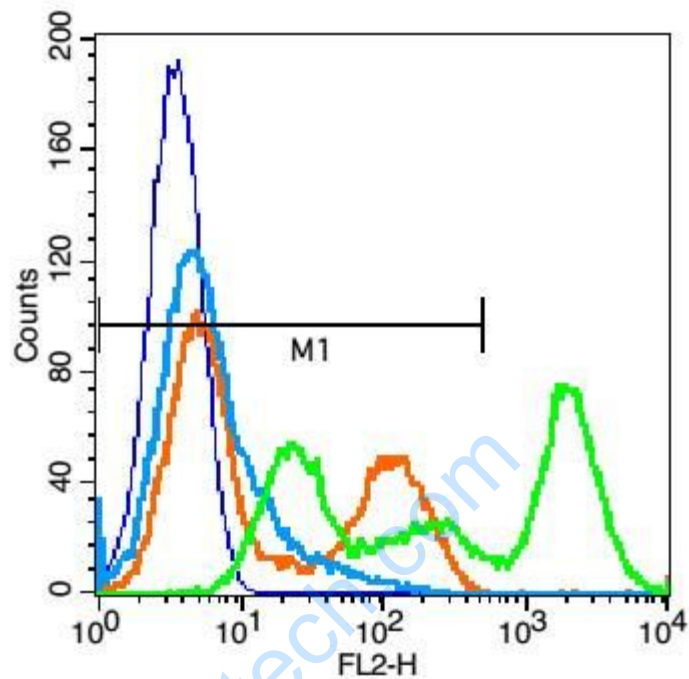


Tissue/cell: Human esophageal carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-CD56/NCAM1 Polyclonal Antibody, Unconjugated(SL0805R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining





Blank control: Jurkat cells(blue).

Primary Antibody:Rabbit Anti-CD56 antibody(SL0805R), Dilution: 1 $\mu$ g in 100  $\mu$ L  
1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions );

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X  
PBS containing 0.5% BSA.

#### Protocol

The cells were fixed with 2% paraformaldehyde (10 min) . Primary antibody (SL0805R) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30

	min on ice. Acquisition of 20,000 events was performed.
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