



Rabbit Anti-CD56 antibody

SL0736R

Product Name:	CD56
Chinese Name:	神经Cell adhesion molecule1抗体
Alias:	CD56 antigen; Cell Adhesion Molecule Neural 1; MSK39; N CAM 120; N CAM 140; N CAM 180; NCAM 1; 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.
文献引用 PubMed :	<p>Specific References(2) SL0736R has been referenced in 2 publications.</p> <p>[IF=5.68]Shi, Liang, et al. "Targeting Androgen Receptor (AR)→ IL12A Signal Enhances Efficacy of Sorafenib Plus NK Cells-Immunotherapy to Better Suppress HCC Progression." Molecular Cancer Therapeutics (2016): molcanther-0706.IHC-P;Human. PubMed:26939703</p> <p>[IF=3.26]Liu, Xin-Qi, et al. "Regulation of neuroendocrine cells and neuron factors in the ovary by zinc oxide nanoparticles." Toxicology Letters (2016).IHC-P;Chicken. PubMed:27215404</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	92kDa
Cellular localization:	The cell membraneSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CD56/NCAM1:701-800/858

Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	<p>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]</p> <p>Function: This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.</p> <p>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.</p> <p>Similarity: Contains 2 fibronectin type-III domains. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.</p> <p>SWISS: P13591</p> <p>Gene ID: 4684</p> <p>Database links:</p> <p>Entrez Gene: 4684 Human</p> <p>Entrez Gene: 17967 Mouse</p> <p>Entrez Gene: 24586 Rat</p> <p>Omim: 116930 Human</p> <p>SwissProt: P13591 Human</p>

[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

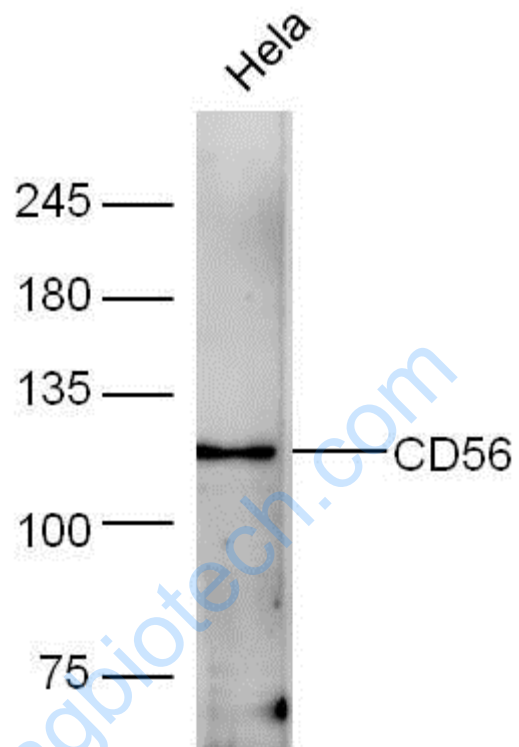
NCAM-1为神经Cell adhesion molecule, 主要分布于神经组织, 神经—肌肉接头, 神经—

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。CD56(神经细胞黏附分子, NCAM)表达于大部分神经外胚层来源的细胞系、组织和Tumour如视网膜母细胞瘤、成神经管细胞瘤、星形细胞瘤以及成神经细胞瘤。它也表达于一些中胚层来源的Tumour如横纹肌肉瘤。NK细胞以及NK细胞淋巴瘤为阳性。CD56被认为是NK细胞Tumour的重要Marker。该抗体识别分子量为180, 145和125kDa亚型。

Picture:



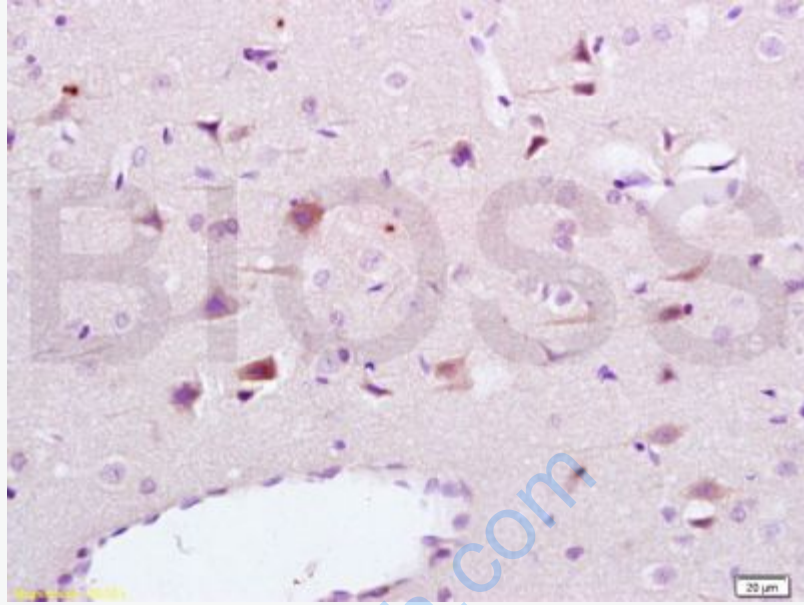
Protein: HeLa(human)cell lysates at 40ug;

Primary: rabbit Anti-CD56 (SL0736R) at 1:300;

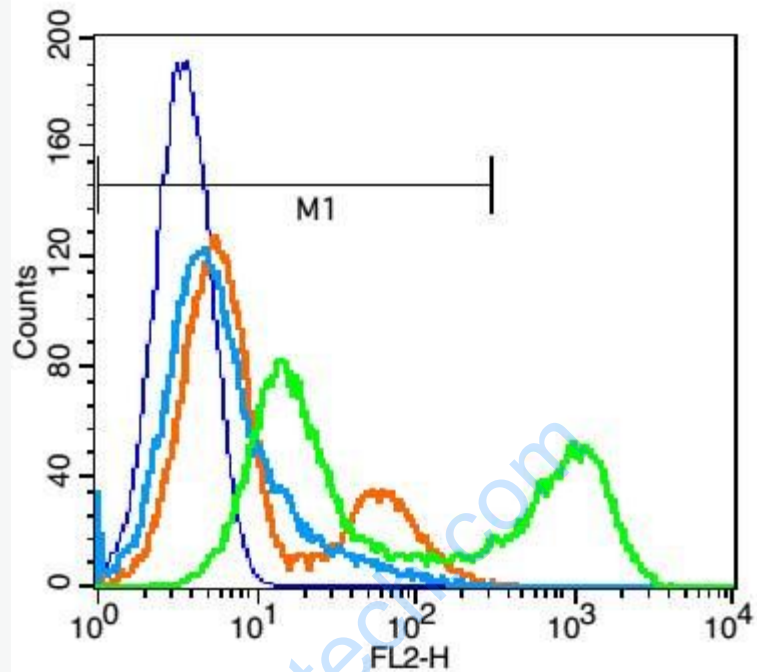
Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0736R) at 1: 5000;

Predicted band size:92 kD

Observed band size:125 kD



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-NCAM1 Polyclonal Antibody, Unconjugated(SL0736R) 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 (SL0736R), Dilution: 1 μ g in 100 μ 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 (SL0736R) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% 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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