

NCAM / CD56 Monoclonal Antibody | anti-NCAM / CD56 antibody

Anti-NCAM / CD56 Antibody (aa20-718, clone 1G4) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52568	NCAM/CD56 antibody was produced in Mouse	Mouse, Dog, Rat, Human, Monkey	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

NCAM / CD56; Monoclonal Antibody; Anti-NCAM / CD56 Antibody (aa20-718; clone 1G4) IHC-plus; NCAM1; CD56; CD56 antigen; MSK39; NCAM-1; N-CAM-1; NCAM; anti-NCAM / CD56 antibody

PRODUCT SPECIFICATIONS

Host	NCAM/CD56 antibody was produced in Mouse
Reactivity	Mouse, Dog, Rat, Human, Monkey
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1G4
Specificity	Human NCAM / CD56
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	848
Applicable Applications for anti-NCAM / CD56 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	NCAM / CD56 antibody was raised against human recombinant protein fragment corresponding to amino acids 20-718 of human NCAM1 (NP_851996) produced in E Coli.
Immunogen Species	NCAM/CD56 antibody was raised against Human
Antigen Type	Recombinant protein
Epitope	aa20-718
Family/Subfamily	Immunoglobulin/ not assigned-Immunoglobulin
Target	NCAM/CD56
Note	During shipment,small volumes of product will occasionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial to dislodge any liquid in the container's cap prior to opening.
Warning	This reagent may contain sodium azide. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated.Standard Laboratory Practices should be followed. Avoid skin and eye contact,inhalation, and ingestion. Sodium azide forms hydrazoic acid under acidic conditions and may react with lead or copper plubing to form highly explosive metal azides. On disposal, flush with large volumes of water to prevent accumulation.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at -20°C. Avoid freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-NCAM / CD56 antibody	NCAM1 Antibody, CD56 Antibody, CD56 antigen Antibody, MSK39 Antibody, NCAM-1 Antibody, N-CAM-1 Antibody, NCAM Antibody Description: NCAM / CD56 is 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94420689
NCBI GeneID	4684
NCBI Accession #	NP_000606.3
NCBI GenBank Nucleotide #	NM_000615.6

UniProt Accession #	P13591 ; P13592 ; P13593 ; Q05C58 ; Q15829 ; Q16180 ; Q16209 ; Q59FL7 ; Q86X47 ; Q96CJ3 ; A8K8T8
NCBI Official Full Name	neural cell adhesion molecule 1 isoform 1
NCBI Official Synonym Full Names	neural cell adhesion molecule 1
NCBI Official Symbol	NCAM1
NCBI Official Synonym Symbols	CD56; NCAM; MSK39
NCBI Protein Information	neural cell adhesion molecule 1
UniProt Protein Name	Neural cell adhesion molecule 1
UniProt Gene Name	NCAM1
UniProt Synonym Gene Names	NCAM; N-CAM-1; NCAM-1
UniProt Entry Name	NCAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ncam-cd56-antibody-clone-1g4-western-blot-immunohistochemistry-elisa/52568>