

Rabbit anti-Human CD56 Monoclonal Antibody | anti-CD56 antibody

Anti-CD56 [NCAM12.19]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72137	Rabbit	Human	ELISA, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CD56; Monoclonal Antibody; Anti-CD56 [NCAM12.19]; Ncam; NCAM1; HCD56; NKH-1; Neural Cell Adhesion Molecule; Leu-19; NKH1; anti-CD56 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, kappa
Clone Number	NCAM12.19
Specificity	This antibody is specific for human CD56, which is expressed on NK cells, as well as in the brain and at neuromuscular junctions.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD56 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



WB (Western Blot)

Western Blot using anti-CD56 antibody NCAM12.19 (AAA72137). human brain cerebellum(A) and cerebral cortex(B) tissue lysate (35ug protein in RIPA buffer) was resolved on an SDS PAGE gel and blots probed with the chimeric mouse IgG version of NCAM12.19 at 0.03ug/ml before detection using an anti-mouse secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



IF (Immunofluorescence)

Immunofluorescence staining of Kelly cells using anti-CD56 (AAA72137) NCAM12.19. Immunofluorescence analysis of paraformaldehyde fixed Kelly cells stained with the chimeric mouse IgG version of NCAM12.19 at 10ug/ml followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom DAPI, merged channels and an isotype control. The isotype control was stained with anti-unknown antibody followed by Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western Blot using anti-CD56 antibody NCAM12.19 (AAA72137). human brain cerebellum(A) and cerebral cortex(B) tissue lysate (35ug protein in RIPA buffer) was resolved on an SDS PAGE gel and blots probed with the chimeric mouse IgG version of NCAM12.19 at 0.03ug/ml before detection using an anti-mouse secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



ELISA

Binding curve of anti-CD56 antibody NCAM12.19 () to recombinant human NCAM1 Fc-Fusion Protein. ELISA Plate coated with recombinant human NCAM1 Fc-Fusion Protein at a concentration of 5ug/ml. A 3-fold serial dilution from 10,000 ng/ml was performed using . For detection, a 1:4000 dilution of HRP-labelled anti-rabbit antibody was used.

ADDITIONAL INFORMATION

Related Product Information for anti-CD56 antibody	Recombinant monoclonal antibody to CD56. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma NCAM12.19. This antibody was raised against human NCAM/CD56
Product Categories/Family for anti-CD56 antibody	natural killer cells; neurons

NCBI AND UNIPROT INFORMATION

NCBI GI #	205830665
NCBI GeneID	4684
UniProt Accession #	P13591; P13592; P13593; Q05C58; Q15829; Q16180; Q16209; Q59FL7; Q86X47; Q96CJ3; A8K8T8
Molecular Weight	858
NCBI Official Full Name	Neural cell adhesion molecule 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; neural cell adhesion molecule, NCAM; antigen recognized by monoclonal antibody 5.1H11
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/cd56-antibody-clone-ncam12-19-immunofluorescence-western-blot-elisa/72137>