

anti-Human, Mouse Nerve growth factor Antibody | anti-NGF antibody

Anti-Nerve growth factor [mab 911]

CATALOG # AAA72418	REACTIVITY Human, Mouse	APPLICATIONS ELISA
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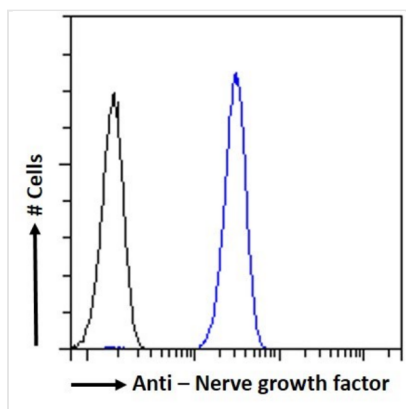
PRODUCT SYNONYMS

Nerve growth factor; Anti-Nerve growth factor [mab 911]; Beta-nerve growth factor; Beta-NGF; anti-NGF antibody

PRODUCT SPECIFICATIONS

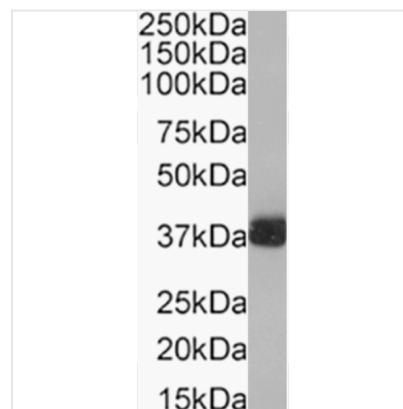
Reactivity	Human, Mouse
Isotype	Mouse IgG1 kappa
Clone Number	mab 911
Specificity	The antibody is specific for NGF. The NGF epitope is composed of beta-strand segments from both NGF monomers. NGF is involved primarily in the growth, as well as the maintenance, proliferation, and survival of nerve cells (neurons).
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NGF antibody	IA (Inhibition Assay), Blocking, ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of NIH3T3 cells with anti-Nerve growth factor antibody mab 911. Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton, on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of mab 911 (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing cytoplasmic 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 an unknown specificity antibody (isotype control, black line) or the rabbit IgG version of mab 911 at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000, and the cells were analyzed using a FACSCanto flow-cytometer.



WB (Western Blot)

Western blot using anti-Nerve growth factor antibody mab 911. Human brain cerebellum tissue lysate (35ug protein in RIPA buffer) was resolved on an SDS-PAGE gel, and blots were probed with the monoclonal antibody mab 911 at 1ug/ml before detection using an anti-mouse secondary antibody. A primary incubation of 1 hour was used, and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-NGF antibody	The original paper describes the generation and characterization of a panel of monoclonal antibodies.
Product Categories/Family for anti-NGF antibody	Chronic pain ; NGF-related disorders ; Osteoarthritis ; OA ; Auto-immune arthritis
References	Hongo et al. Hybridoma. 2000 Jun;19(3):215-27.

NCBI AND UNIPROT INFORMATION

NCBI GI #	90110037
NCBI GeneID	4803
UniProt Accession #	P01138 ; Q6FHA0 ; Q96P60 ; Q9P2Q8 ; Q9UKL8 ; A1A4E5
Molecular Weight	Calculate MW: 26 kDa Observed MW: 17kDa/27kDa
NCBI Official Full Name	Beta-nerve growth factor
NCBI Official Synonym Full Names	nerve growth factor (beta polypeptide)
NCBI Official Symbol	NGF
NCBI Official Synonym Symbols	NGFB; HSN5; Beta-NGF
NCBI Protein Information	beta-nerve growth factor; nerve growth factor, beta subunit
UniProt Protein Name	Beta-nerve growth factor
UniProt Gene Name	NGF
UniProt Synonym Gene Names	NGFB; Beta-NGF
UniProt Entry Name	NGF_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/human-mouse-antibody/nerve-growth-factor/72418>