

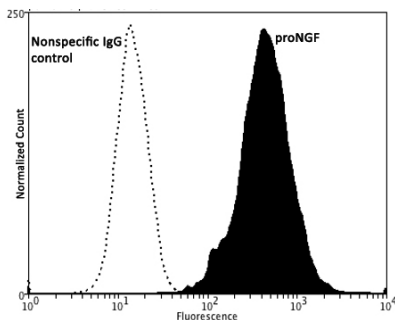


Mouse monoclonal antibody to proNGF (30-41), [Clone BS312]: IgG

Catalogue No.:	M-1738-100
Description:	Nerve growth factor (NGF) is synthesized as a precursor (proNGF) which may be released and have physiological functions to cause cell death. It binds neurotrophin receptor p75 and sortilin and may also be important for the development of nervous system. proNGF is synthesized in target tissues and glia, transported retrogradely and may be released.
Related products:	Biotinylated proNGF antibody, cat# M-1778-50-B
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (C-HTIPQAHWTKLQ, aa: 30-41) of human proNGF protein has been used as the immunogen. The sequence is located on the pro-domain of the proNGF full-length protein and is 80% homologous to mouse and rat proNGF.
Antibody Type:	Mouse monoclonal IgG antibody
Isotype:	IgG2b, lambda-light chain
Other Names:	Pro-brain nerve growth factor; proNGF; NGF
Accession:	NGF_HUMAN
Produced in:	Mouse
Purity:	Protein G purified mouse IgG.
Applications:	Flow Cytometry (2 ug/ 10 ⁶ cells). Immunocytochemistry (1-2 ug/mL), Western Blotting (1-2 ug/mL). Other applications not yet tested. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Human
Cross-reactivity:	Species cross-reactivity not tested.
Form:	Lyophilised from a solution containing PBS buffer pH 7.4 with 3% trehalose, without preservatives.
Reconstitution:	Spin vial briefly before opening. Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material. Final buffer contains no preservatives.
Storage:	Store lyophilized antibody at 2-8C. After reconstitution divide into aliquots and store at -20C for a higher stability. Antibody contains no preservatives. Store at 2-8C with an appropriate antibacterial agent. Use sterile methods. Highest purity Glycerol (1:1) may be added for an additional stability when stored at refrigerated or freezing temperatures. Avoid repetitive freeze/thaw cycles.
Expiry Date:	12 months after purchase if unopened

FOR RESEARCH USE ONLY

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Fixing and Permeabilization of cells: Absolute methanol (10 minutes in ice) and 0.1% Tween-20 in PBS, Blocking: 200 ug/mL Normal Sheep IgG (20 minutes), Primary antibody: Mouse Monoclonal antibody to proNGF (cat # M-1738-100, 2 ug per $\sim 10^6$ cells) for 60 minutes at room temperature, Secondary antibody: Goat anti-mouse PE labeled secondary antibody (1:100 fold dilution) with incubation for 20 minutes in dark at room temperature. Non-specific Control IgG, clone X63 (cat # M-1249-100) was used as negative control under same conditions (black dashed). Flow cytometry data and results were generated using Orflo Moxiflow™ instrument and protocols. The data demonstrates specific staining of proNGF expressed in human prostate cancer DU145 cell line using cat # M-1738-100.

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