

Anti-Pro-glial cell line-derived neurotrophic factor (proGDNF) Antibody



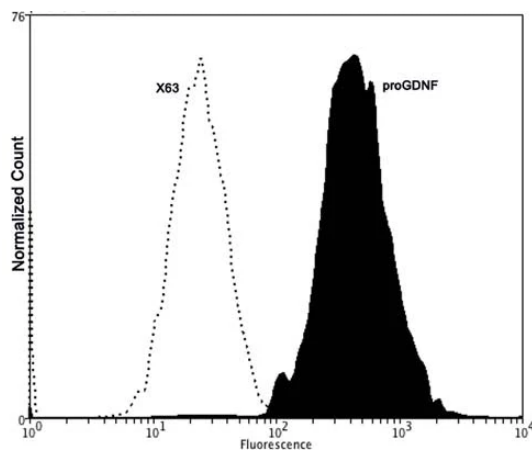
Product Details

Available Variants	100 µg (SKU:M-1727-100)
Conjugate	Unconjugated
Clone	BS376
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from a solution containing PBS buffer pH 7.4 with 3% trehalose, without preservatives.
Production Notes	Protein G purified mouse IgG
Applications	Flow, ICC
Dilution Ranges	ICC: 1-2 µg/mL
Species Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide (C-EDYPDQFDDVMD, aa: 55-66) of human proGDNF protein has been used as the immunogen. The sequence is located on the pro-domain of the proGDNF full-length protein and is homologous with mouse and rat form of proGDNF.
Specificity	Human rat. Antibody is expected to detect mouse proGDNF protein due to 100% amino acid sequence homology.
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. Final buffer contains no preservatives. After reconstitution divide into aliquots and store at -20°C for a higher stability. Antibody contains no preservatives. Store at 2-8°C with an appropriate antibacterial agent. Use sterile methods. Highest purity Glycerol

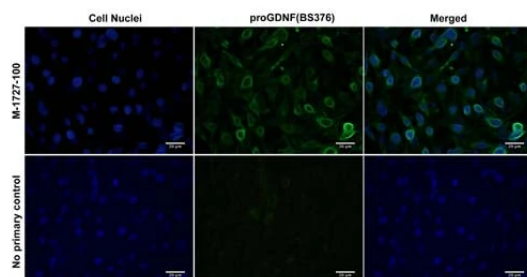
(1:1) may be added for an additional stability when stored at refrigerated or freezing temperatures. Avoid repetitive freeze/thaw cycles.

UniProt ID	P39905
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

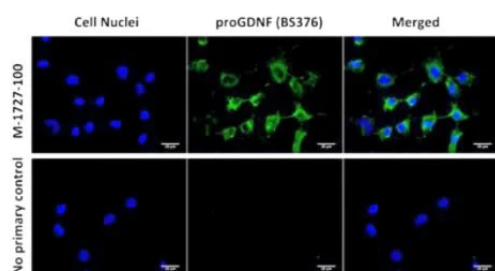
Product Images



Fixing and Permeabilization of cells: Absolute methanol (10 minutes in ice) and 0.1% Tween-20 in PBS, Blocking: 1% BSA, Primary antibody: Mouse Monoclonal antibody to proGDNF (cat # M-1727-100, 2 µg per ~10⁶ cells) for 30 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 MoxiflowTM instrument and protocols. The data demonstrates specific staining of proGDNF expressed in human neuronal cell line SHSY-5Y using cat # M-1727-100.



Immunofluorescence analysis of proGDNF expression in human SH-SY5Y cells. Fixed (4% formaldehyde), permeabilized, and blocked (10% normal horse serum, 0.1% Triton X100) SH-SY5Y cells were incubated with proGDNF antibody M-1727-100 (2 µg/mL, green) for 1 hour. Primary antibody binding was visualized with a secondary donkey anti-mouse-CF488A antibody (4 µg/mL, 1 hour incubation). Cell nuclei were stained with Hoechst dye (blue). proGDNF-IR is observed throughout the cytoplasm. Magnification: 100x.



Immunofluorescence analysis of proGDNF expression in rat C6 glioma cells. Fixed (4% formaldehyde), permeabilized, and blocked (10% normal horse serum, 0.1% Triton X100) C6 cells were incubated with proGDNF antibody M-1727-100 (2 µg/mL, green) for 1 hour. Primary antibody binding was visualized with a secondary donkey anti-mouse-CF488A antibody (4 µg/mL, 1 hour incubation). Cell nuclei were stained with Hoechst dye (blue). proNGF-IR is observed in the perinuclear cytoplasm. Magnification: 100x.

Product Page URL: www.antibodiesinc.com/products/anti-pro-glial-cell-line-derived-neurotrophic-factor-progdnf-antibody-m-1727-100



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