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PRODUCT DATASHEET

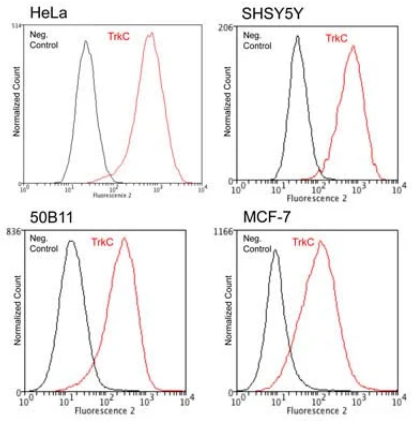
Anti-Tyrosine Kinase Receptor C (TrkC) Antibody

Product Details

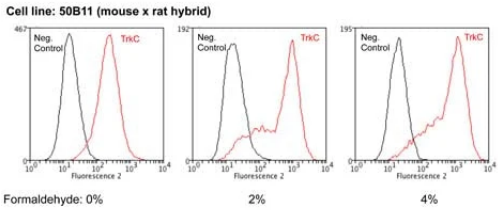
Available Variants	100 µg (SKU:M-1837-100)
Conjugate	Unconjugated
Clone	BS337
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS, pH 7.2-7.6 with 0.1% trehalose and contains no preservatives.
Production Notes	Protein G purified immunoglobulin from tissue culture supernatants.
Applications	Flow, ICC
Dilution Ranges	ICC: 1-2 µg/mL
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide immunogen, KEPFPESTDNFI, cooresponding to amino acids 397-408 of human TrkC ECD.
Specificity	Human TrkC ECD, cross reactivity to rodent species is expected.
Storage	Spin vial briefly before opening. Reconstitute in 100 uL sterile-filtered, ultrapure water to obtain an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C. After reconstitution divide into aliquots and store at -20°C for long-term storage. Store at 2-8°C short-term (up to 4 weeks). Avoid repetitive freeze/thaw cycles.
UniProt ID	Q16288
Country of Origin	United States
Shipping	25°C (ambient)

Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

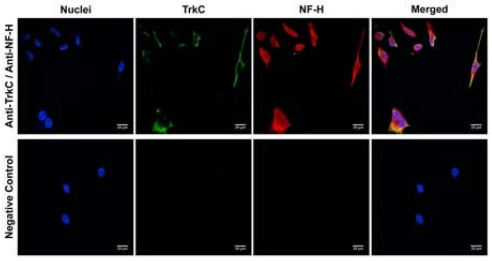
Product Images



TrkC expression (red) in human (HeLa, SHSY5Y, MCF-7) and rat x mouse hybrid cell line 50B11 analysed by **Flow Cytometry**. Staining was performed on unfixed cells on ice. Blocking: 100 µg/mL normal sheep IgG in PBS (30 minutes) on ice. Primary antibody: TrkB clone BS337 (10 µg/mL) for 60 minutes on ice. Secondary antibody: Goat anti-rabbit PE (1:100 dilution), 30 min in dark on ice. Non-specific control IgG clone X63 (black) was used as negative control under same conditions. Flow cytometry data and results were generated using Orflo Moxiflow^{TM} instrument and protocols.



TrkC expression (red) in 50B11 mouse x rat hybrid cell line analysed by **Flow Cytometry**. Fixation: 0 ,2 and 4% formaldehyde in PBS, pH 7.2-7.6 on ice (10 minutes). Blocking: 100 µg/mL normal sheep IgG in PBS (30 minutes) on ice. Primary antibody: TrkC clone BS337 (10 µg/mL) for 60 minutes on ice. Secondary antibody: Goat anti-rabbit PE (1:100 dilution), 30 min in dark on ice. Non-specific control IgG clone X63 (black) was used as negative control under same conditions. Flow cytometry data and results were generated using Orflo Moxiflow^{TM} instrument and protocols.



Membrane TrkC expression (green) in human HeLa cells, analyzed by **Immunocytochemistry**. Fixed (4% formaldehyde) and blocked (10% normal horse serum) HeLa cells were incubated with TrkC antibody M-1837-100 (2 µg/mL, green) for 1 hour. Cells were then permeabilized, blocked (10% horse serum, 0.1% Triton X-100) and incubated with rabbit NF-H antibody R-1389-50 (1:500, red) for 1 hour. Primary antibody binding was visualized with secondary donkey anti-mouse-CF488A and donkey anti-rabbit-CF568 antibodies (2 µg/mL, 1 hour incubation). Cell nuclei were stained with DAPI (blue). Negative control staining was performed under identical conditions with isotype control mouse antibody and rabbit whole serum from an non-immunized animal. Confocal imaging settings were the same for antibody and control staining. Magnification: 60x. Specific staining is observed for TrkC in the cell membrane, while the NF-H antibody reveals intracellular filaments.