NEUROMICS

Trk C Data Sheet

Catalog Number:	MO15000	Host:	Mouse
Product Type:	Mouse monoclonal	Species Reactivity:	Rat, Human
Immunogen Sequence:	Mouse IgG2B Recombinant human Trk C extracellular domain.	Format:	Liquid 1mg/ml 0.2 µm filtered solution in phosphate-buffered saline (PBS). Ascites fluid was Protein G purified

Applications: Immunohistochemistry: 25 µg/mL.
Western Blot: 1 - 2 µg/mL determined on recombinant human Trk C
ELISA: 0.5 - 1.0 µg/mL
Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

Specificity: This antibody has been selected for its ability to recognize recombinant human Trk C in direct ELISAs and western blots. In direct ELISAs and western blots, this antibody shows less than 5% cross-reactivity with recombinant human Trk B.

Storage: Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

Application Notes

Immunohistochemistry: Antiserum was used on fixed tissue.

Rat Perfusion-fixed: 1) calcium-free Tyrode's solution, 2) paraformaldehye-picric acid fixative, and 3) 10% sucrose in PBS as a cryo-protectant. Desired tissues were dissected and stored overnight in 10% sucrose in PBS.

Human immersion-fixed: 10% formalin solution for 4 - 8 hours at room temperature. It is commonly accepted that the volume of fixative should be 50 times greater than the size of the immersed tissue. Avoid fixing the tissue for greater than 24 hours since tissue antigens may either be destroyed or masked. Human tissue was paraffin-embedded.

Slide-mounted tissue sections were processed for indirect immunofluorescence (Rat) and enzymatic-chromagenic detection (Human). For indirect immunofluorescence, slides were incubated with blocking buffer for 1 hour at room temperature. Primary antiserum was diluted with blocking buffer to the appropriate working concentration. Blocking buffer was removed and slides were incubated for 18-24 hours at 4ºC with primary antiserum. Slides were rinsed 3 times and then incubated with secondary antibodies for 1 hour at room temperature. Slides were again rinsed 3 times and coverslipped. Staining was examined using fluorescence microscopy. For enzymatic-chromagenic detection, follow vendor's protocol.

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Neuromics Antibodies • 210 Orchard St N • Northfield, MN 55057
phone 507-645-8020 • fax 612-677-3976 • e-mail pshuster@neuromics1.com