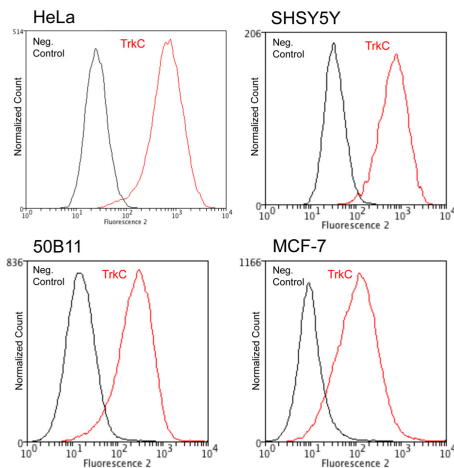


## Product Info

<b>PRODUCT NAME</b>	Tyrosine Kinase Receptor C (TrkC), Mouse Monoclonal Antibody
<b>PRODUCT DESCRIPTION</b>	Mouse anti-Tyrosine Kinase Receptor C (TrkC) Monoclonal Antibody (Unconjugated), suitable for FC, ICC.
<b>CATALOG NUMBER(S)</b>	M-1837-100
<b>UNIT SIZE(S)</b>	100 µg
<b>BATCH NUMBER</b>	Please see item label.
<b>SPECIFICITY</b>	Human TrkC ECD, cross reactivity to rodent species is expected.
<b>APPLICATION(S)</b>	FC, ICC
<b>APPLICATION DETAILS</b>	Flow Cytometry (5-10 µg/mL): Tested on human and rodent cell lines. Cell staining can be performed under native conditions on ice, or on fixed cells with up to 4% formaldehyde. Immunocytochemistry (1-2 µg/mL): Tested on fixed (4% formaldehyde) human cells. Other applications have not been tested. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>TARGET</b>	Tyrosine Kinase Receptor C (TrkC)
<b>ALTERNATIVE NAMES</b>	GP145-TrkC; Trk-C; Neurotrophic tyrosine kinase receptor type 3; TrkC tyrosine kinase
<b>UNIPROT NUMBER AND NAME</b>	<a href="#">Q16288 (NTRK3_HUMAN)</a>
<b>TARGET HOST SPECIES</b>	Human
<b>SPECIES REACTIVITY</b>	Human, Mouse, Rat
<b>ANTIBODY HOST</b>	Mouse
<b>ANTIBODY TYPE</b>	Monoclonal
<b>ANTIBODY ISOTYPE</b>	IgG2b, kappa
<b>CLONE NAME</b>	BS337
<b>CONJUGATE</b>	Unconjugated
<b>IMMUNOGEN DESCRIPTION</b>	Synthetic peptide immunogen, KEPFPESTDNFI, coresponding to amino acids 397-408 of human TrkC ECD.
<b>SEQUENCE</b>	KEPFPESTDNFI
<b>FORMAT</b>	Lyophilized from PBS, pH 7.2-7.6 with 0.1% trehalose and contains no preservatives.
<b>RECONSTITUTION INSTRUCTIONS</b>	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.
<b>PURITY DESCRIPTION</b>	Protein G purified immunoglobulin from tissue culture supernatants.

<b>STORAGE INSTRUCTIONS</b>	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.
<b>EXPIRATION DATE</b>	12 months after date of receipt (unopened vial).
<b>MAIN IMAGE</b>	 <p>The figure displays four flow cytometry histograms arranged in a 2x2 grid. Each histogram shows the normalized count of cells on the y-axis and fluorescence intensity on the x-axis (log scale from 10<sup>0</sup> to 10<sup>4</sup>). The histograms are for HeLa, SHSY5Y, 50B11, and MCF-7 cell lines. Each plot compares a negative control (black line) with TrkC expression (red line). In all cases, the red line shows a significant shift to the right compared to the black line, indicating positive TrkC expression in these cell lines.</p>
<b>MAIN IMAGE CAPTION</b>	TrkC expression (red) in human (HeLa, SHSY5Y, MCF-7) and rat x mouse hybrid cell line 50B11 analysed by <b>Flow Cytometry</b> . 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™ instrument and protocols.
<b>ADDITIONAL IMAGES STATEMENT</b>	Please refer to the Biosensis website for additional product images.
<b>REFERENCES STATEMENT</b>	Please refer to our website for product-specific references.
<b>REGULATORY STATUS</b>	For research use only.