

Anti-Capsaicin receptor (VR1/TrpV1) Antibody



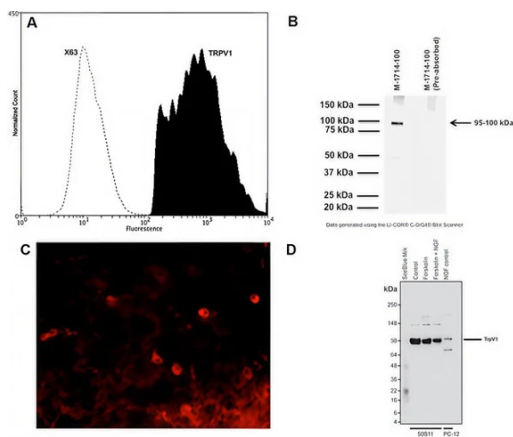
Product Details

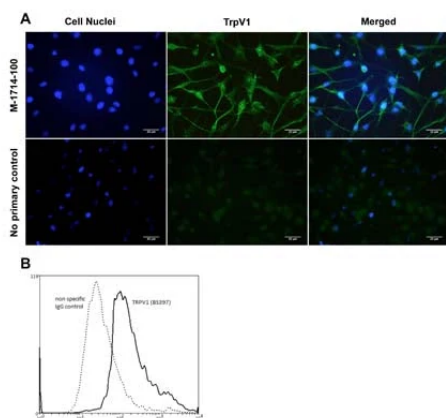
Available Variants	100 µg (SKU:M-1714-100)
Conjugate	Unconjugated
Clone	BS397
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS, pH 7.4 with 0.1% trehalose.
Production Notes	Protein G purified mouse immunoglobulin
Applications	Flow, ICC, IHC, WB
Dilution Ranges	WB: 0.5-2 µg/mL IHC: 1-10 µg/mL ICC: 1-2 µg/mL
Species Reactivity	Guinea Pig, Mouse, Pig, Rat
Immunogen	A synthetic peptide (C-GSLKPEDAEVFKDSMVPGEK) as a part of the C-terminal rat VR1 protein (aa: 819-838) has been used as the immunogen.
Specificity	Antibody is specific for rat/mouse VR1 protein in Westerns and immunofluorescent immunohistochemistry on mouse PEG fixed DRG tissues. Pre-absorption with immunogen obliterates positive staining. Cross reactivity with other non-VR1 proteins is minimal; cross reactivity with VR1 from other species not yet tested. This antibody clone is known to react with rat and mouse TrpV1. It is predicted to react with guinea pig due to 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 but will contain 0.1% trehalose and buffer salts. Store lyophilized antibody at 2-8°C. After reconstitution divide in to aliquots and store at -20°C for

a higher stability. Antibody contains no preservatives. Storage 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	O35433
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

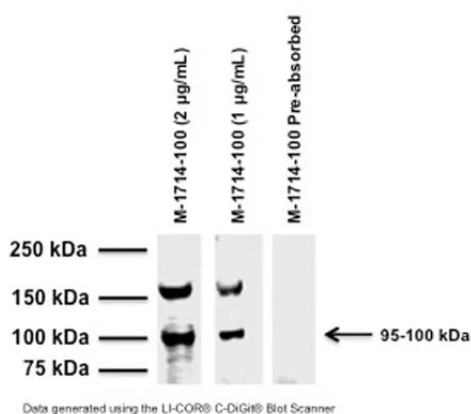
Product Images





A: Immunofluorescence analysis of TrpV1 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 TrpV1 antibody M-1714-100 (clone BS397, 2 µg/mL, green) for 1 hour. Primary antibody binding was visualized with a secondary donkey anti-mouse-CF488A antibody (5 µg/mL, 1 hour incubation). Cell nuclei were stained with Hoechst dye (blue). Magnification: 100x.

B: Analysis of TRPV1 expression in C6 cells by Flow Cytometry. Fixing and permeabilization of cells: Absolute methanol (10 minutes in ice) and 0.1% Tween-20 in PBS, Blocking: 200 µg/mL sheep IgG, Primary antibody: Mouse Monoclonal antibody to TRPV1 (cat # M-1714-100, 2 µg per $\sim 10^6$ cells) for 30 minutes at room temperature, Secondary antibody: Goat anti-mouse PE labeled secondary antibody (1:100 dilution), 20 minutes in dark at room temperature. Negative control: Non-specific Control IgG, clone X63 (cat # M-1249-100, black dashed). Data and results were generated using Orflo Moxiflow™ instrument and protocols.



Western blot of TrpV1 in mouse brain homogenate (25 µg/lane). M-1714-100 detects bands at 90-100 kDa and 180-200 kDa corresponding to capsaicin receptor monomer and dimer. SDS-PAGE: denatured and reduced; Transfer: Tris-Glycine buffer; Membrane: nitrocellulose (0.45 µm); Blocking: 5% skim milk in TBST, 1 hour at RT; Primary antibody: overnight at 4°C; Secondary antibody: anti-mouse-HRP (1/6000) 2 hours at RT; Detection: Chemiluminescence.

Product Page URL: www.antibodiesinc.com/products/anti-capsaicin-receptor-vr1-trpv1-antibody-m-1714-100



Created on 03. September 2026 | All information without guarantee